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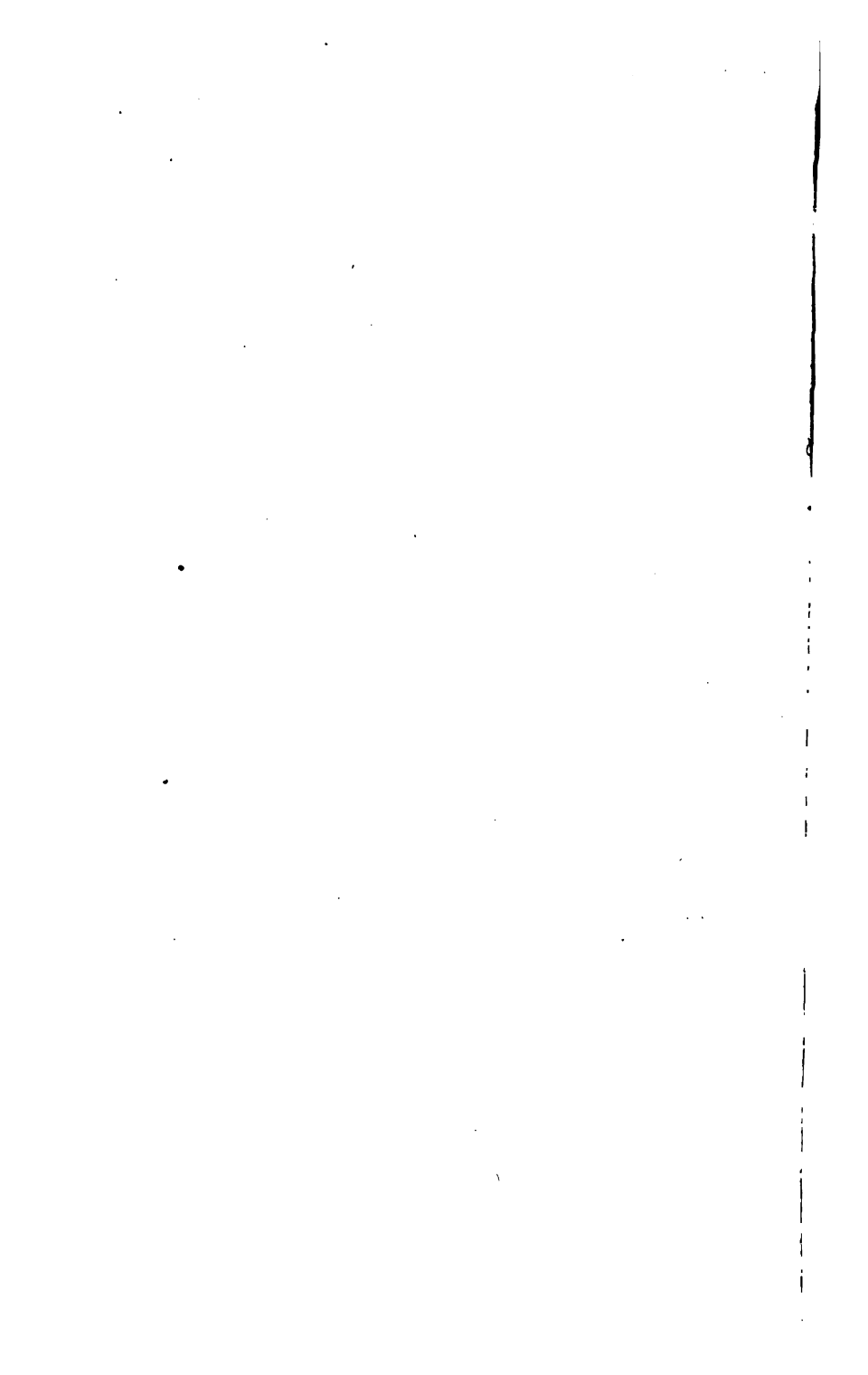
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THE 36668
NATURALISTS' DIRECTORY

FOR 1878,

CONTAINING THE NAMES OF THE

NATURALISTS OF AMERICA

NORTH OF MEXICO,

ARRANGED ALPHABETICALLY, AND BY DEPARTMENTS; ALSO

A LIST OF SCIENTIFIC SOCIETIES,

AND A

CATALOGUE OF OBTAINABLE SCIENTIFIC BOOKS,

ARRANGED BY SUBJECTS.

EDITED
BY
SAMUEL E. CASSINO.

Ed. Gorsch, M.D.
Murroe, Mich.

SALEM:
NATURALISTS' AGENCY.
1878.

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1878.

PRINTED AT THE SALEM PRESS.

INTRODUCTION.

IN giving this list of Naturalists to the public, the editor desires to extend his thanks not only to the many who have aided him by the transmission of new names, but to all who have in any way given their encouragement and support.

Much of the completeness which the work may possess is due to the efficient aid of Miss S. E. Brooks; without whose faithful and untiring efforts, in preparing the manuscript and guiding the work through the press, it must have contained many more inaccuracies than now.

Acknowledgments are also due Prof. Daniel C. Eaton, of Yale College, Prof. G. Brown Goode, of the Smithsonian Institution, Prof. R. H. Ward, editor of the microscopical department of the "American Naturalist," Messrs. J. S. Kingsley and Caleb Cooke, of the Peabody Academy of Science, and Mr. G. A. Bates, and Dr. Henry Wheatland of the Essex Institute. As in the first edition of the work, the list of Chemists and Physicists is furnished by Prof. H. Carrington Bolton, of Trinity College, Hartford, Conn.

The list of societies is less complete than could be desired, but it is intended to work up this department so that in future editions it may be made complete.

So much interest has been manifested in the undertaking, that the editor contemplates the preparation of a work, to be issued

at regular intervals of one or two years, which shall give an accurate and condensed account of the progress of science, more especially in the departments relating to Natural History, during the interval following the date of its predecessor. The work will consist of Essays, by gentlemen eminent in their special departments, and will give an account of recent important books and discoveries. Into this work it is proposed to incorporate the Directory, which, it is believed, will thus make a complete reference and hand-book, of great value to every one interested in Natural History.

Should arrangements in regard to this work be perfected, due notice will be given to all.

In conclusion, all corrections, additions, and changes of address should be reported, and will be thankfully received by the

EDITOR.

SALEM, JUNE 10, 1878.

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Works on Geology, Palæontology and Mineralogy.

Works on Birds, Mammals, Reptiles, etc.

Works on Crustacea, Mollusks, Radiates, etc.

ERRATA.

The names from 224 to 232 inclusive *should have been* inserted between Nos. 213 and 214.

865. For Benzine *read* Benzie.

1342. After MACARTHUR *read* CHAS. L.

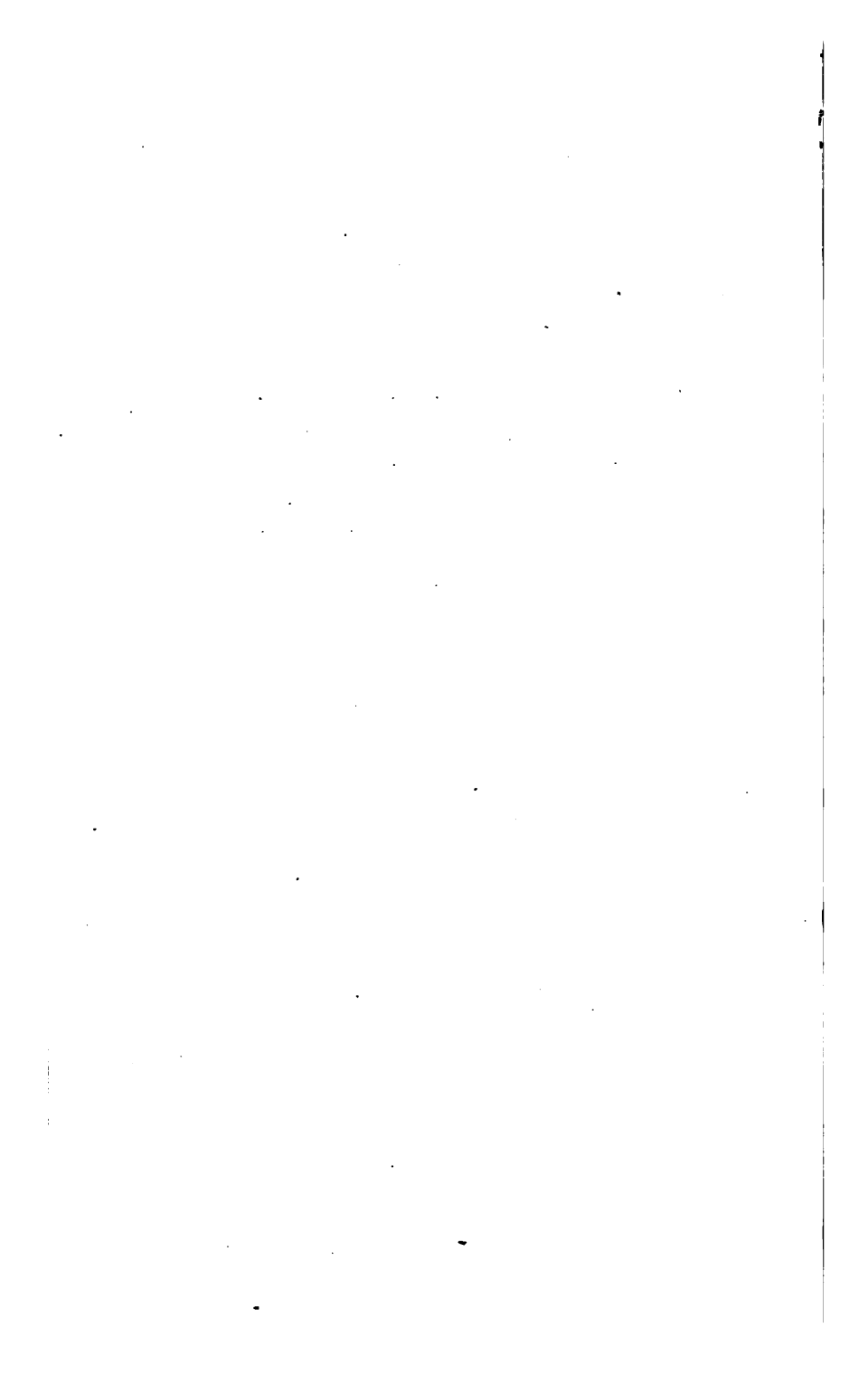
1426. For METTANER, HENRY A., *read* METTAUER, H. A.

1516. For NEVINS *read* NEVIUS.

2104. For UNDERWOOD, M. O., *read* UNDERWOOD, W. O.

2157. For 33 *read* 53.

(v)



THE NATURALISTS' DIRECTORY.

1. AARON, CHARLES E., A. M., Maryville, E. Tenn. *Phæn. Bot., Ferns.* Ex.
2. AARON, EUGENE M., Maryville, Blount Co., E. Tenn. *Ent. : Diurnal Lepidoptera.* Coll. Ex.
3. AARON, MRS. E. M., 419 Linden St., Camden, N. J. *Ent.* Coll.
4. AARON, S. FRANK, Maryville, E. Tenn. *Orn., Oöl., Taz.* Coll. Ex.
5. ABBOTT, C. C., M. D., L. B. 35, Trenton, N. J. *American Archæology and local Zoölogy.*
6. ABBOTT, CHAS. S., Antrim, N. H. *Geol., Min., Ent.* Coll. Ex.
7. ACKERILL, D., Belleville, Ontario, Can. *Micros., Astron.* Coll.
8. ADAMS, E. F., Box 800, Natick, Mass. *Palæo., Min., Archæo., Orn., Ent., Mollusks.* Coll. Ex.
9. ADAMS, PROF. F. P., Ladoga, Ind. *Bot., Geol., Microscopy.* Coll. Ex.
10. ADAMS, J. L., jr., Bloomfield, N. J. *Orn.* Coll. Ex.
11. ADAMS, DR. O. B., San Pablo, Contra Costa Co., Cal.
12. ADAMS, WM. H., Elmore, Peoria Co., Ill. *Palæo., Geol., Meteo.* Coll. Ex.
13. ADAMS, MISS ZUE, Topeka, Kans. *Lepidoptera, Coleoptera.* Coll. Ex.
14. AGASSIZ, ALEX., Curator Museum Comparative Zoöl., Cambridge, Mass. *Gen. Zoöl., Emb.*
15. AIKEN, C. E., Colorado Springs, Colo. *Orn., Oöl.* Ex.
16. AIKEN, PROF. W. E. A., M. D., LL.D., Baltimore, Md. *Phæn. Bot., Ferns.* Coll.
17. AINSLEE, C. N., Rochester, Minn. *Ent.* Ex.
18. AKHURST, J., Brooklyn, N. Y. *Ent. : Coleoptera, Lepidoptera.* Coll. Ex.
19. ALCOTT, REV. W. P., Columbus, O. *Bot.* Coll.
20. ALDRICH, T. H., M. E., Montevallo, Shelby Co., Ala. *Con.* Coll. Ex.
21. ALEXANDER, A. A., 1935 Arch St., Phila., Pa. *Ornithology.*
22. ALEXANDER, A. H., W. Hoboken, N. J. *Orn., Taz.*

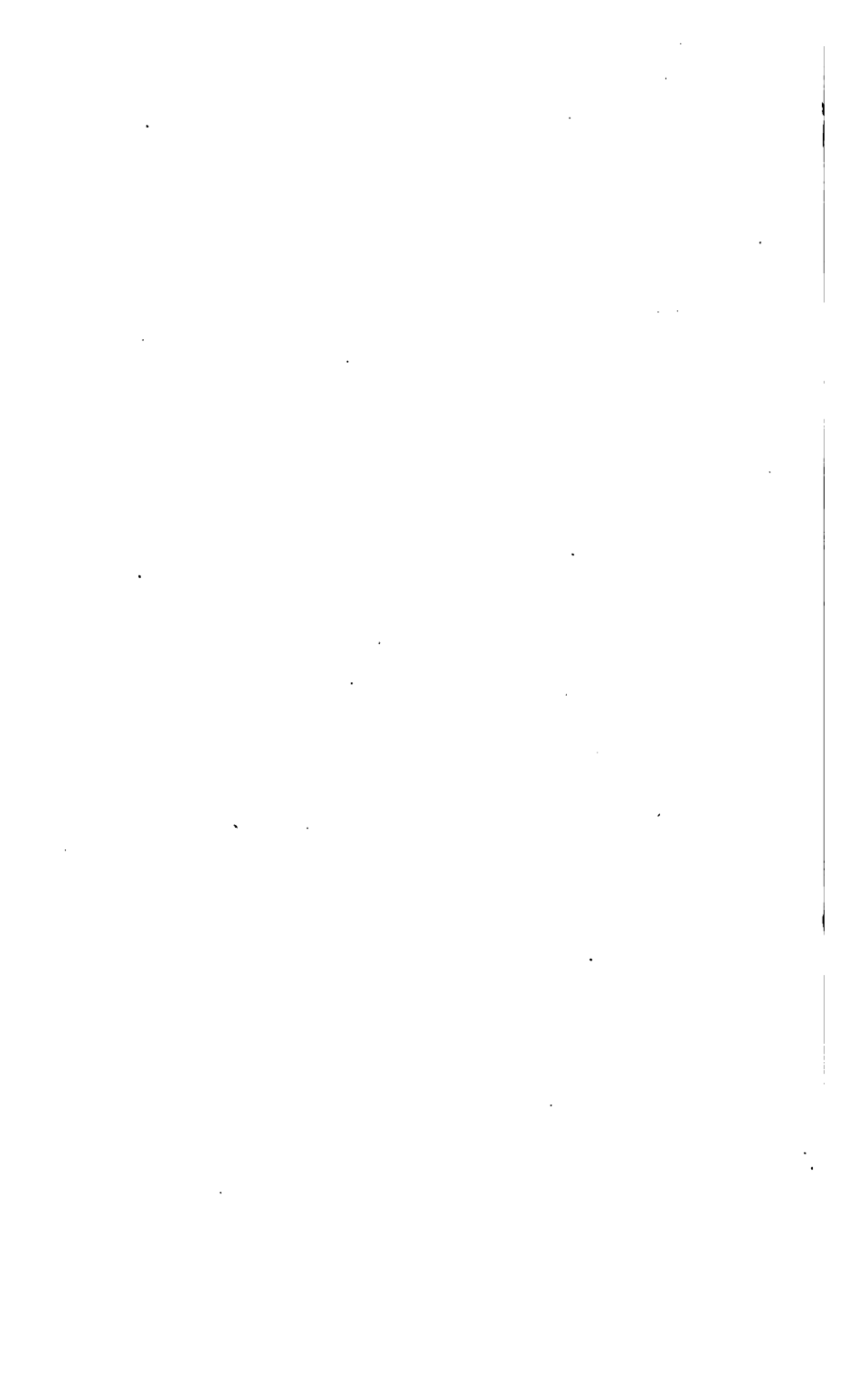
23. ALEXANDER, F., Lexington, Mo. *Orn., Ichth.*
24. ALEXANDER, JAMES, jr., Box 322, Auburn, N. Y. *Min., Invert. Palæo. Coll. Ex.*
25. ALEXANDER, JNO. B., M. D., Lexington, Mo. *Meteorology.*
26. ALLEN, ANSON, Orono, Me. *Ent.: Lepidoptera; Mollusks. Coll.*
27. ALLEN, BARNETT P., Germantown, Phila., Pa.
28. ALLEN, CHARLES A., Nicasio, Marin Co., Cal. *Orn.*
29. ALLEN, CHARLES S., Astoria, Queens Co., N. Y. *Orn., Oöl. Coll.*
30. ALLEN, F. A., Mansfield, Tioga Co., Pa.
31. ALLEN, HARRISON, M. D., 117 So. 20th St., Philadelphia, Pa. *Gen. Biol., Mam., Osteol., Myol.*
32. ALLEN, J. A., Ass't Mus. Comp. Zoöl., Cambridge, Mass. *Mam., Orn.*
33. ALLEN, JAMES E., East Hamlin, N. Y. *Ent. Coll.*
34. ALLEN, J. D., Paw Paw, Mich. *Vertebrates. Coll. Ex.*
35. ALLEN, JOHN H., Natick, Mass. *Min., Anthropology, Vertebrates, Articulates, Mollusks. Coll. Ex.*
36. ALLEN, JONATHAN, Pres. Alfred Univ., Alfred Centre, N. Y. *Palæo., Archæo. Coll. Ex.*
37. ALLEN, PROF. O. D., Sheffield Scientific School, New Haven, Conn. *Phæn. Bot., Mosses, Min. Coll. Ex.*
38. ALLEN, R. C., Hattistown, Ill. *Orn.*
39. ALLEN, RICHARD, 62 No. Third St., Troy, N. Y. *Micros., Ent. Coll. Ex.*
40. ALLEN, R. H., Box 376, New York City. *Ornithology. Coll.*
41. ALLEN, TIMOTHY F., M. D., New York City. *Bot.*
42. ALLEN, ZACHARIAH, Providence, R. I. *Geol.*
43. ALLING, C. P., M. D., Bradford, Pa. *Gen. Biol.*
44. ALLIS, JAMES W., 5 Oak St., Rochester, N. Y. *Ent.: Lepidoptera. Coll. Ex.*
45. ALLIS, SOLON M., C. E., Aztec Silver Mines, near Tubac, Arizona Terr. *Geol. Coll. Ex.*
46. ALLISON, E. H., Eaton. O. *Phys. Geol. Coll. Ex.*
47. ALLENKINDINGER, MISS E. C., Ann Arbor, Mich. *Bot. Ex.*
48. AM ENDE, C. G., Hoboken, N. J. *Diatoms, Infusoria. Coll.*
49. AMES, MRS. MARY E PULSIFER, Auburn, Placer Co., Cal. *Phæn. Bot. Coll. Ex.*
50. AMORY, R., M. D., Norfolk, Mass. *Physiology.*
51. ANDERSON, C. L., M. D., Santa Cruz, Cal. *Crypt. Bot.: Algæ, Fungi, Filices. Coll.*
52. ANDERSON, D. R., Waynesville, O. *Palæo. Ex.*
53. ANDERSON, REV. JOSEPH, A. M., Waterbury, Conn. *Anthro. Coll. Ex.*
54. ANDERSON, M. L., Ravenswood, Ill.
55. ANDERSON, PROF. W. W., Santa Cruz, Cal. *Micros.*
56. ANDRAS, J. C., Manchester, Scott Co., Ill. *Bot. Coll. Ex.*
57. ANDREWS, FRANK D., Vineland, N. J. *Geol., Min., Palæo., Archæo. Coll.*
58. ANDREWS, L., Southington, Conn. *Min., Palæo., Geol., Archæo., Meteo. Coll. Ex.*

59. ANDREWS, Q. E., M. D., Calumet, Houghton Co., Mich.
Min.: *Crystallography*. Coll. Ex.
60. ANDREWS, DR. R. R., Brattle Sq., Cambridge, Mass. *Micros.*
61. ANDREWS, T. L., M. D., Creston, Union Co., Iowa. *Bot.*
62. ANDREWS, W. V., 187 State St., Brooklyn, N. Y. *Ent.*:
Lepidoptera and Coleoptera (General). Coll. Ex.
63. ANGELL, G. J., 64 Elliott Pl., Brooklyn, N. Y. *Coleoptera*:
Lucanidæ, Scaphæidæ. Coll. Ex.
64. ANGUS, J., West Farms, New York City, N. Y. *Lepidoptera*:
Catocala, Sphingidæ. Coll. Ex.
65. ANTISELL, PROF. THOMAS, M. D., Washington, D. C. *Bot.*
66. APGAR, A. C., Trenton, N. J. *Zoöl., Min.* Coll.
67. APGAR, E. A., State Sup't Public Schools, Trenton, N. J.
Bot., Orn., Ent. Coll. Ex.
68. APPEGATE, I. A., Mt. Carmel, Ind.
69. APPEGATE, W. A., Yellow Springs, Ohio.
70. APPLETON, FRANCIS H., A. M., Peabody, Mass. *Horticulture*.
71. ARCHER, C. S., Hanover, Ind.
72. ARET, F. J., M. D., St. Louis, Mo. *Bot., Min.*
73. ARMSTRONG, REV. JOHN W., A. M., D. D., Fredonia, Chau-
taqua Co., N. Y. *Bot., Palæo., Min., Micros., Anthro.,*
Ent. Coll.
74. ARNOLD, J. W. S., 39 W. 32d St., New York City.
75. ARTHUR, J. C., Librarian and Demonstrator of Botany, in
Iowa Agric. Coll., Charles City, Iowa. *Phæn. Bot.,*
Bibliog. of Sci. Coll. Ex.
76. ASBURNER, WM., 240 Montgomery St., San Francisco, Cal.
Micros.
77. ASHBURNER, CHARLES A., M. S., Ass't 2nd Geol. Surv. of
Pa., 9 Woodland Terrace, Phila., Pa. *Geol., Min.*
78. ASHTON, T. B., Tonganoxie, Leavenworth Co., Kans. *Ent.*
79. ASIRE, MERWIN E., L. B. 1684, Oshkosh, Wis. *Ent.* Coll.
80. ASQUITH, ALFRED W., 145 Van Buren St., Brooklyn, N. Y.
Coleoptera. Coll.
81. ATHEARN, WM. E., Williams Coll., Williamstown, Mass.
82. ATHERTON, G. D., 188 Westminster St., Providence, R. I.
Min. Coll. Ex.
83. ATKINSON, HENRY, Everton, Ontario, Can. *Orn., Oöl.*
Coll. Ex.
84. ATKINSON, DR. J. E., 209 W. Biddle St., Baltimore, Md.
Microscopy.
85. ATKINSON, J. C., Henderson, Ky. *Horticulture*. Coll. Ex.
86. ATWOOD, E. N., Cape Elizabeth, Me. *Ornithology*.
87. ATWOOD, E. S., East Orange, N. J. *Min., Micros.* Coll.
88. ATWOOD, H. F., 160 La Salle St., Chicago, Ill. *Micros.*:
Diatoms. Coll. Ex.
89. ATWOOD, MELVILL, 722 Bush St., San Francisco, Cal. *Micros.*
90. ATWOOD, N. E., Provincetown, Mass. *Ichth.*
91. AUGHEY, SAMUEL, Prof. Nat. Sci., Lincoln, Neb. Coll. Ex.
92. AUSTIN, C. F., Closter, N. J. *Mosses, Lichens*.
93. AUSTIN, E. P., Cambridge, Mass. *Coleoptera of N. A.* Send
stamp for list of species for exchange.

94. AUSTIN, Mrs. R. M. L., Quincy, Plumas Co., Cal. *Bot. Coll.*
95. AUXER, S., 150 So. Prince St., Lancaster, Pa. *Coleoptera, Lepidoptera. Coll. Ex.*
96. AVERILL, W. D., Chestnut Hill, Phila., Pa. *Min., Mollusks.*
97. AYRES, J. H., 220 Carlton Ave., Brooklyn, N. Y. *Bot. Coll. Ex.*
98. AYRES, REV. WM. W., Wickford, R. I. *Bot. Coll. Ex.*
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100. BABCOCK, A. L., Sherborn, Mass. *Orn., Ent. Coll. Ex.*
101. BABCOCK, H. H., Chicago, Ill. *Bot.*
102. BABCOCK, W. IRVING, C. E., 161 Lefferts Place, Brooklyn, N. Y. *Orn., Öl., Metall. Coll.*
103. BACHELLER, F., Lynn, Mass. *Min. Coll. Ex.*
104. BACON, AUSTIN, Natick, Mass. *Fungi, Micros., Gen. Biol. Coll. Ex.*
105. BAER, O. P., M. D., Richmond, Ind. *Bot., Geol., Palæo., Min., Micros. Coll. Ex.*
106. BAGG, EGBERT, jr., Utica, N. Y. *Orn., Öl. Coll. Ex.*
107. BAILEY, G. I., Albany, N. Y. *Lepidoptera.*
108. BAILEY, PROF. GILBERT E., Director of Nebraska Weather Service, Lincoln, Neb. *Micros., Min., Meteorol. Coll. Ex.*
109. BAILEY, H. B., 51 South St., New York City. *Öl. Coll.*
110. BAILEY, J. S., M. D., 95 Eagle St., Albany, N. Y. *Lepidoptera (Catocala). Coll. Ex.*
111. BAIRD, PROF. L. W., Frederickton, N. B., Canada. *Geol., Bot. (local). Coll. Ex.*
112. BAILEY, SIDNEY E., A. M., Saxton's River, Vt. *Min. Coll.*
113. BAILEY, W. W., Prof. of Bot., Brown Univ., Providence, R. I. *Coll. Ex.*
114. BAIRD, JNO. F., Charlestown, Ind. *Phæn. Bot., Ferns. Coll.*
115. BAIRD, PROF. SPENCER F., Ass't Sec'y Smithsonian Inst., 1445 New York Ave., Washington, D. C. *Anthropol., Vertebrates.*
116. BAKER, F. N., Cincinnati, O. *Mollusks.*
117. BAKER, GEORGE A., Box 1409, South Bend, Ind. *Coleoptera, Land and Fresh Water Mollusks. Coll. Ex.*
118. BAKER, HENRY B., M. D., Pres. Lansing Sci. Assoc., Lansing, Mich. *Gen. Biol., Micros., Meteorol., Sanitary Science.*
119. BAKER, P. S., A. M., Greencastle, Ind. *Gen. Nat. Hist., Herpetol., Ent. Ex.*
120. BAKER, DR. WASHINGTON H., 1610 Summer St., Phila., Pa. *Micros.*
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124. BANKS, H. N., South Pueblo, Colo. *Geol., Metallurgy.*
125. BANNING, MARY E., Baltimore, Md. *Fungi.*

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128. BARDEEN, PROF. F. L., M. D., Ann Arbor, Mich. *Min., Micros.* Ex.
129. BARKER, DANIEL, Norfolk, Va. *Ferns, Horticulture.*
130. BARKER, JOHN G., Lynn, Mass. *Horticulture.*
131. BARLOW, SCOTT, Geolog. Surv., Montreal, Canada. *Geol.*
132. BARNARD, W. S., S. B., Ph. D., Canton, Ill. *Bot., Zoöl., Geol.*
133. BARNES, C. R., Madison, Ind. *Bot.* Coll. Ex.
134. BARNES, DR. JOHN, Milford, Mass. *Micros.*
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140. BARROWS, NATHAN, M. D., Meriden, N. H. *Phæn. Plants, Meteorol.*
141. BARRY, W. C., Rochester, N. Y. *Bot.*
142. BARTLETT, ARTHUR K., Battle Creek, Mich. *Geol., Meteorology, Astron.* Coll. Ex.
143. BARTLEY, PROF. E. H., Swarthmore College, Swarthmore, Pa. *Min., Micros.*
144. BARTON, BOLLING W., M. D., 201 N. Charles St., Baltimore, Md. *Micros.*
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146. BASSETT, DANIEL A., A. M., Crawfordsville, Ind. *Radiates.* Coll. Ex.
147. BASSETT, GEO. W., M. D., Vandalia, Ill. *Bot., Min., Geol., Nat. Hist., Indian Relics.* Ex.
148. BASSETT, H. F., Waterbury, Conn. *Ent.: Gall-producing insects of all orders.* Coll. Ex.
149. BATES, GEO. A., Salem, Mass. *Invertebrates: Worms.* Coll. Ex.
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151. BATES, JOSEPH, M. D., Lebanon Springs, N. Y. *Bot., Geol., Min., Meteorol., Philol., Myol.* Coll.
152. BATES, J. S., West Scituate, Mass. *Tax.* Coll.
153. BATTY, T. J., Providence, R. I. *Bot., Min.* Coll. Ex.
154. BAUSCH, J. J., Optician, Rochester, N. Y.
155. BAXLEY, WM. T., 125 Third St., Oakland, Cal. *Horticulture, Lepidoptera, Coleoptera.*
156. BAXTER, M. S., Adams Basin, Monroe Co., N. Y. *Phæn. Bot., Ferns, Ent.* Coll. Ex.
157. BAYLES, MASON, Mt. Pleasant, Iowa. *Geol., Nat. Hist.*

158. BEACH, E. S., Hudson, Lenawee Co., Mich. *Geol.*, *Min.* Ex.
159. BEACH, PROF. WM. H., Beloit, Wis. *Min.*, *Palæo.* Coll. Ex.
160. BEADLE, D. W., St. Catharines, Ontario, Can. *Coleoptera*, *Lepidoptera.* Coll.
161. BEADLE, REV. E. R., 212 So. 8th St., Phila., Pa. *Min.*, *Geol.*, *Mollusks.* Coll. Ex.
162. BEAL, PROF. F. E. L., C. E., Ames, Iowa. *Gen. Biol.*, *Orn.*, *Oöl.* Coll. Ex.
163. BEAL, WM., Murphey, Cherokee Co., N. C. *Min.* Coll. Ex.
164. BEAL, W. J., Prof. of Bot. and Hort., Agric. Coll., Lansing, Mich. *Phæn. Bot.*, *Ferns*, *Micros.* Coll.
165. BEAN, F. E., Medford, Mass. *Orn.*, *Oöl.* Coll. Ex.
166. BEAN, TARLETON H., M. D., Smithsonian Inst., Washington, D. C. *Ichth.*
167. BEAN, THOMAS E., Galena, Ill. *N. A. and European Lepidoptera: Butterflies.* Ex.
168. BEAN, W. H., Lebanon, O. *Bot.*, *Palæo.*, *Min.*, *Ent.* Coll. Ex.
169. BEAR, O. P., M.D., Richmond, Ind. *Bot.*, *Geol.*, *Palæo.*, *Gen. Zool.*
170. BEARCE, GIDEON, West Minot, Me. *Min.* Coll. Ex.
171. BEARDSLEE, A. E., Cornell Univ., Ithaca, N. Y. *Phæn. Bot.*, *Fungi*, *Vert. Emb.*, *Vertebrates.*
172. BEATH, J. W., Lapidist, 712 Chestnut St., Phila., Pa. *Min.*
173. BEATTY, C. C., Missisquoi Bay, Phillipsburg, Quebec, Can. *Orn.*
174. BEAUCHAMP, REV. WM. M., Baldwinsville, Onondaga Co., N. Y. *Archæo.*, *Mollusks.* Coll.
175. BEAVER, DANIEL B. D., M. D., 31 No. 5th St., Reading, Pa. *Phæn. Bot.*, *Ferns.* Coll. Ex.
176. BEBB, M. S., Fountaindale, Winnebago Co., Ill. *Bot: Salices.* Coll. Ex.
177. BECHDALT, R. E., So. Bethlehem, Pa. *Bot.*
178. BECHLER, GUSTAVUS R., U.S. Geol. Surv., Washington, D.C.
179. BECKER, G. F., Ph. D., Univ. of Cal., Oakland, Cal. *Meteorol.*
180. BECKETT, SYLVESTER B., Vice Pres. Nat. Hist. Soc., Portland, Me. *Orn.*
181. BEDFORD, P. W., Prof. of Pharm., Box 1738, New York City. *Micros.*
182. BEEBE, WILLIAM S., 25 Grace Court, Brooklyn, N. Y. *Anthropol.*
183. BECHER, CHARLES E., S. B., Warren, Pa. *Algæ*, *Invert. Palæo.*, *Gen. Biol.*, *Mollusks.* Coll. Ex.
184. BEECHER, PROF. JOHN SLOCUM, Columbia, Tenn. *Geol.*, *Palæo.*, *Mollusks.* Coll. Ex.
185. BEHR, H. H., M. S., San Francisco, Cal. *Lepidoptera.*
186. BEHRENS, JAMES, Box 1173, San Francisco, Cal. *Coleoptera*, *Lepidoptera.* Coll. Ex.
187. BELANGER, F. X., Université Laval, Quebec, Canada. *Gen. Nat. Hist.* Coll. Ex.



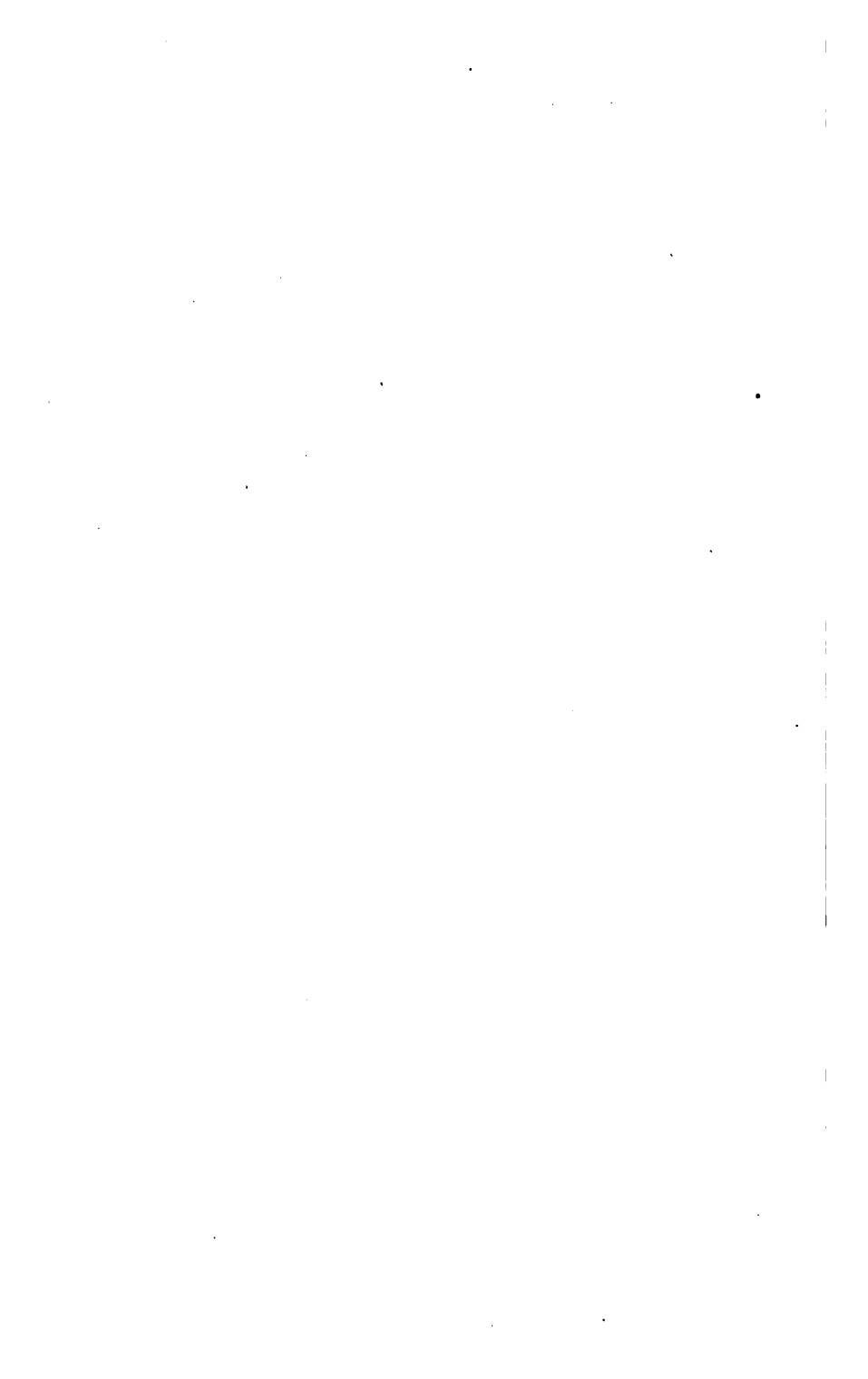
188. BELFRAGE, G. W., Clifton, Bosque Co., Texas. *Ent.*: *Hymenoptera of the World*; *Crustacea*; *Phyllopoda*. Coll. Ex.
189. BELL, MISS CLARA, Chicopee, Mass. *Bot.*: *Ferns*. Coll. Ex.
190. BELL, REV. GEORGE, A. B., LL.D., Walkerton, Ontario, Can. *Palæo.*, *Geol.*, *Anthropology*.
191. BELL, JAMES T., Prof. of Min. and Agric., Albert Univ., Belleville, Ontario, Can. *Geol.*, *Palæo.*, *Micros.*, *Ent*. Coll.
192. BELL, JOHN J., Exeter, N. H. *Geol*.
193. BELL, ROBERT, M. D., Ass't Director Geolog. Surv. of Canada, Montreal, Canada. *Geol.*, *Lithol.*, *Anthropol.*, *Mam.*, *Mollusca*. Coll. Ex.
194. BENDIRE, CHAS. E., Capt. 1st Cav., U. S. A., Camp Harney, Oregon. *Mam.*, *Orn.*, *Ööl*. Coll. Ex.
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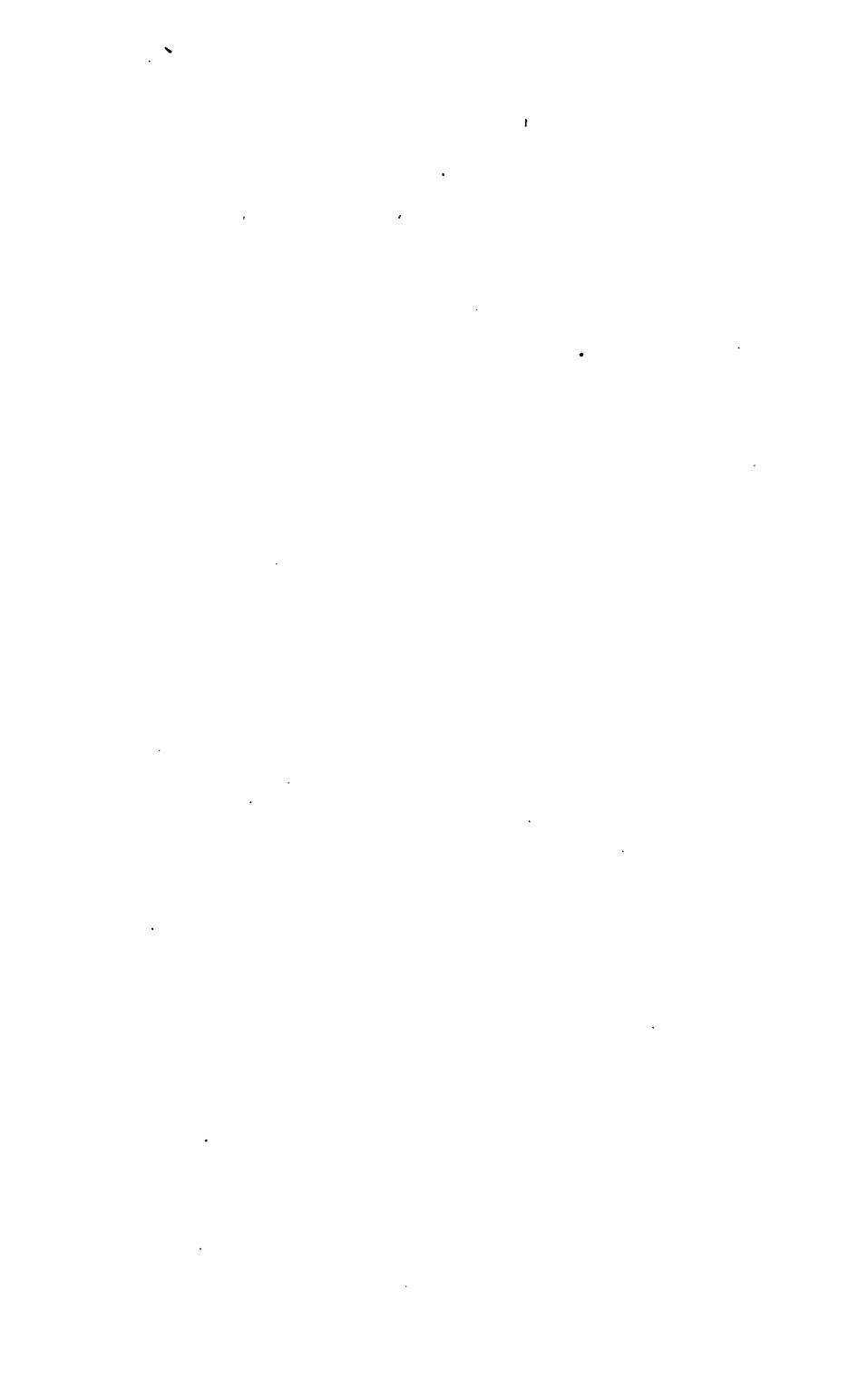


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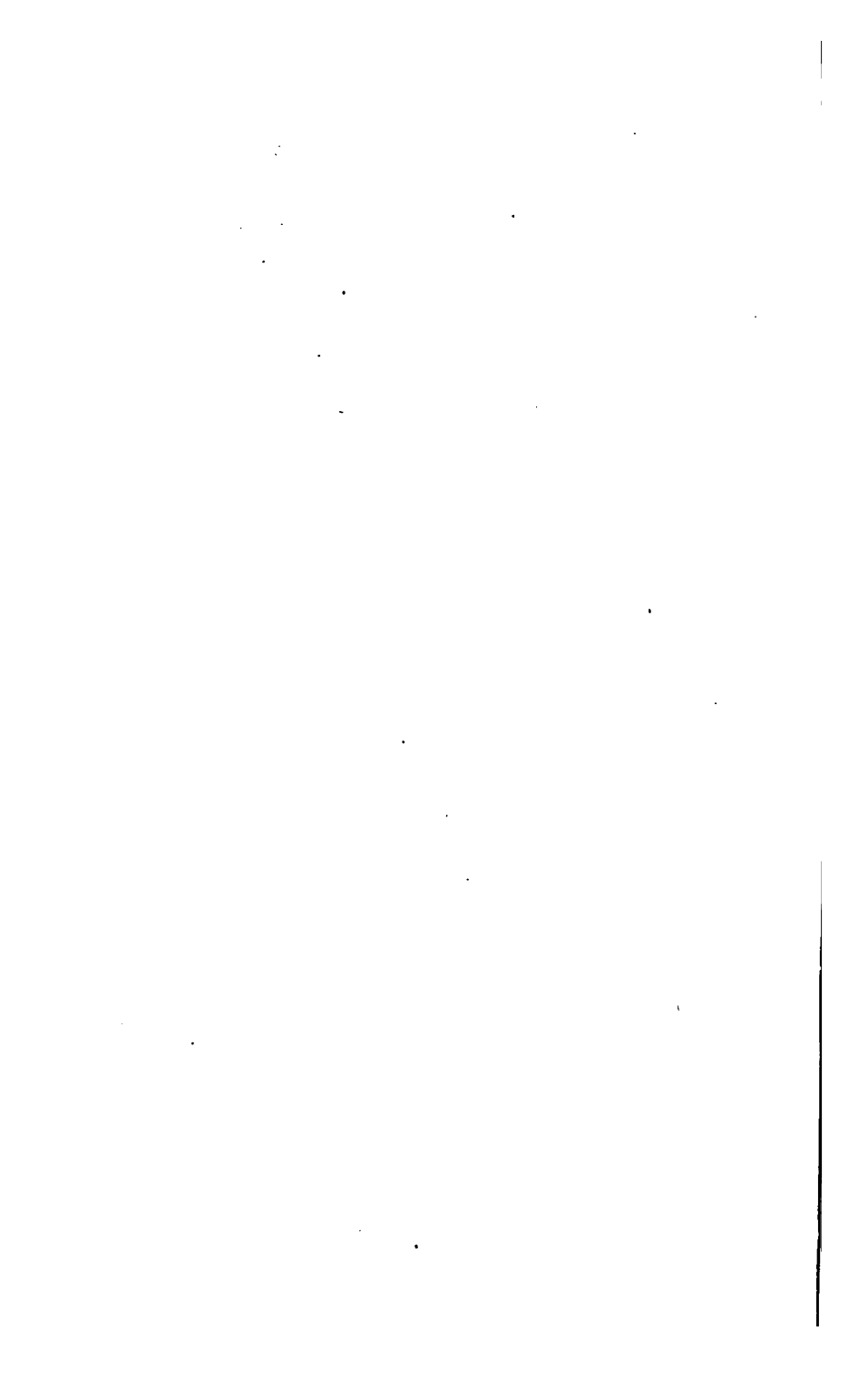
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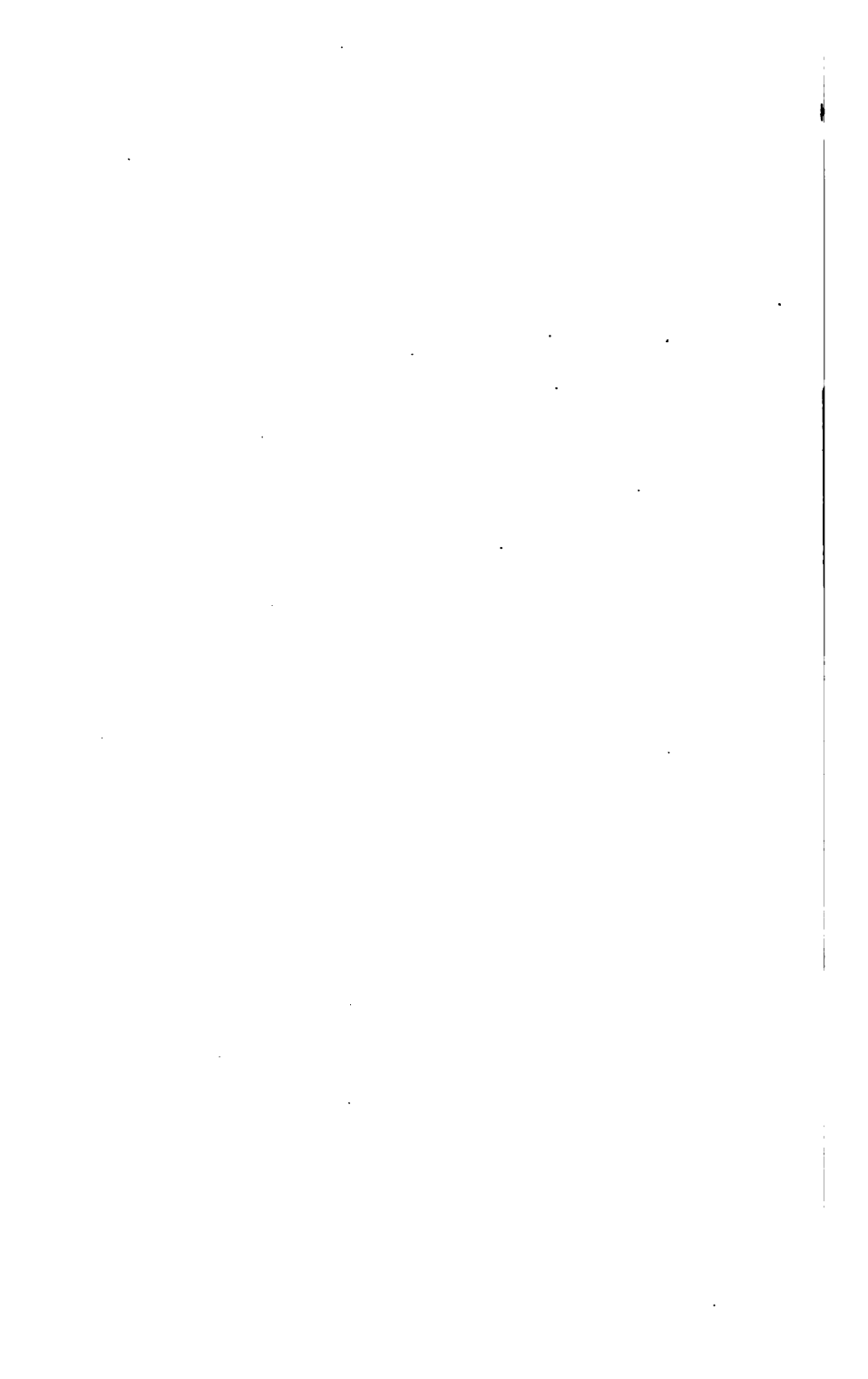
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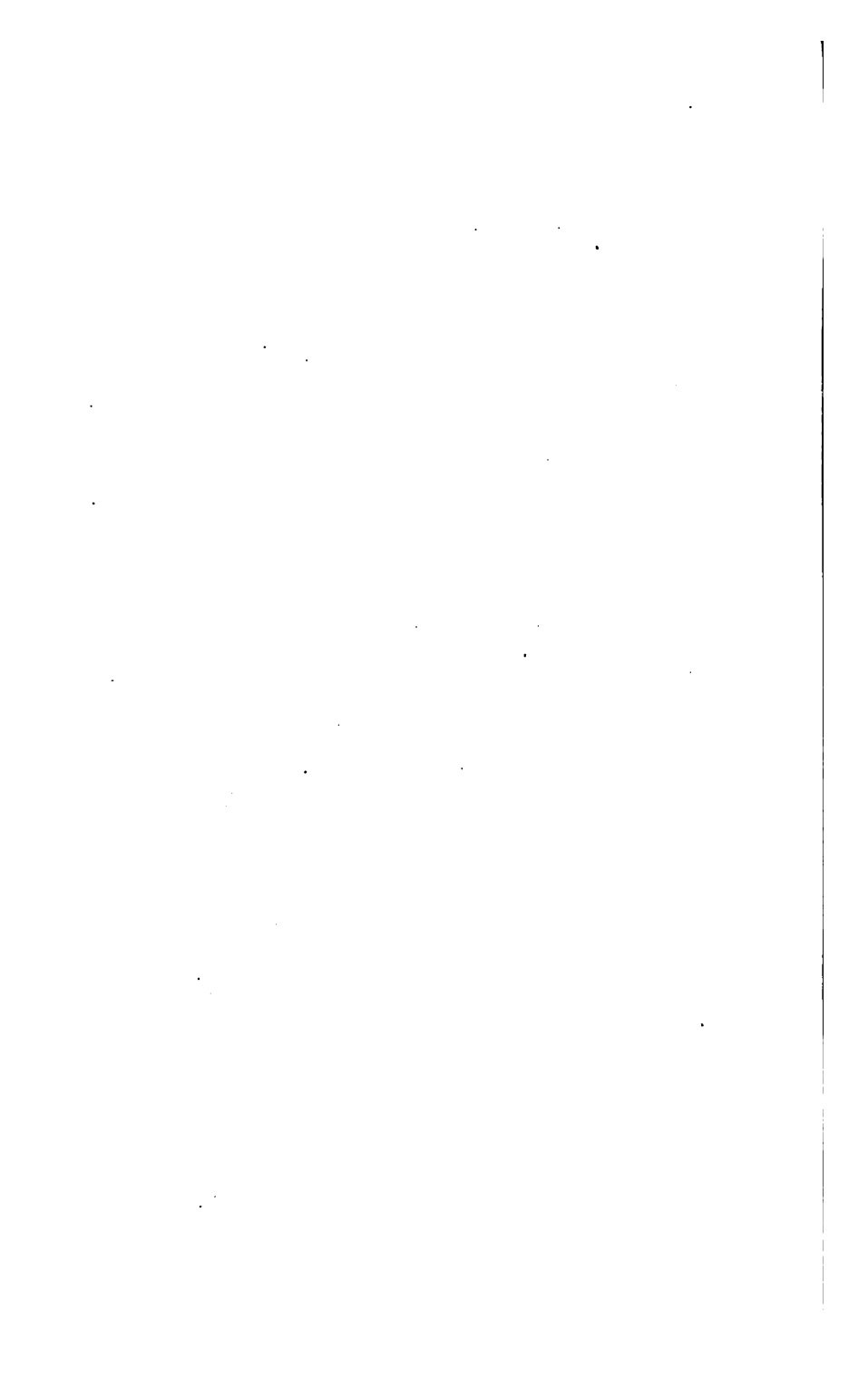
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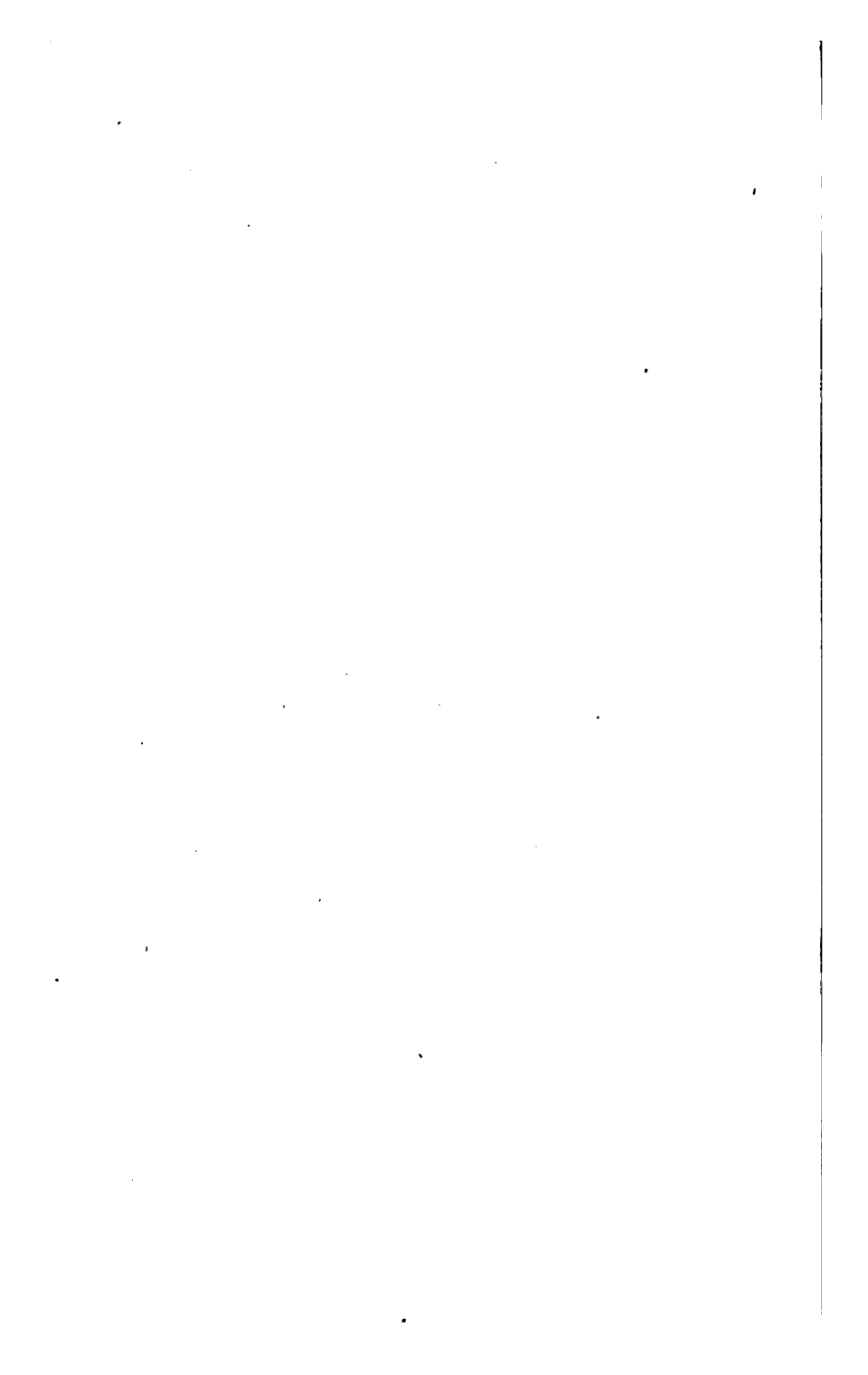
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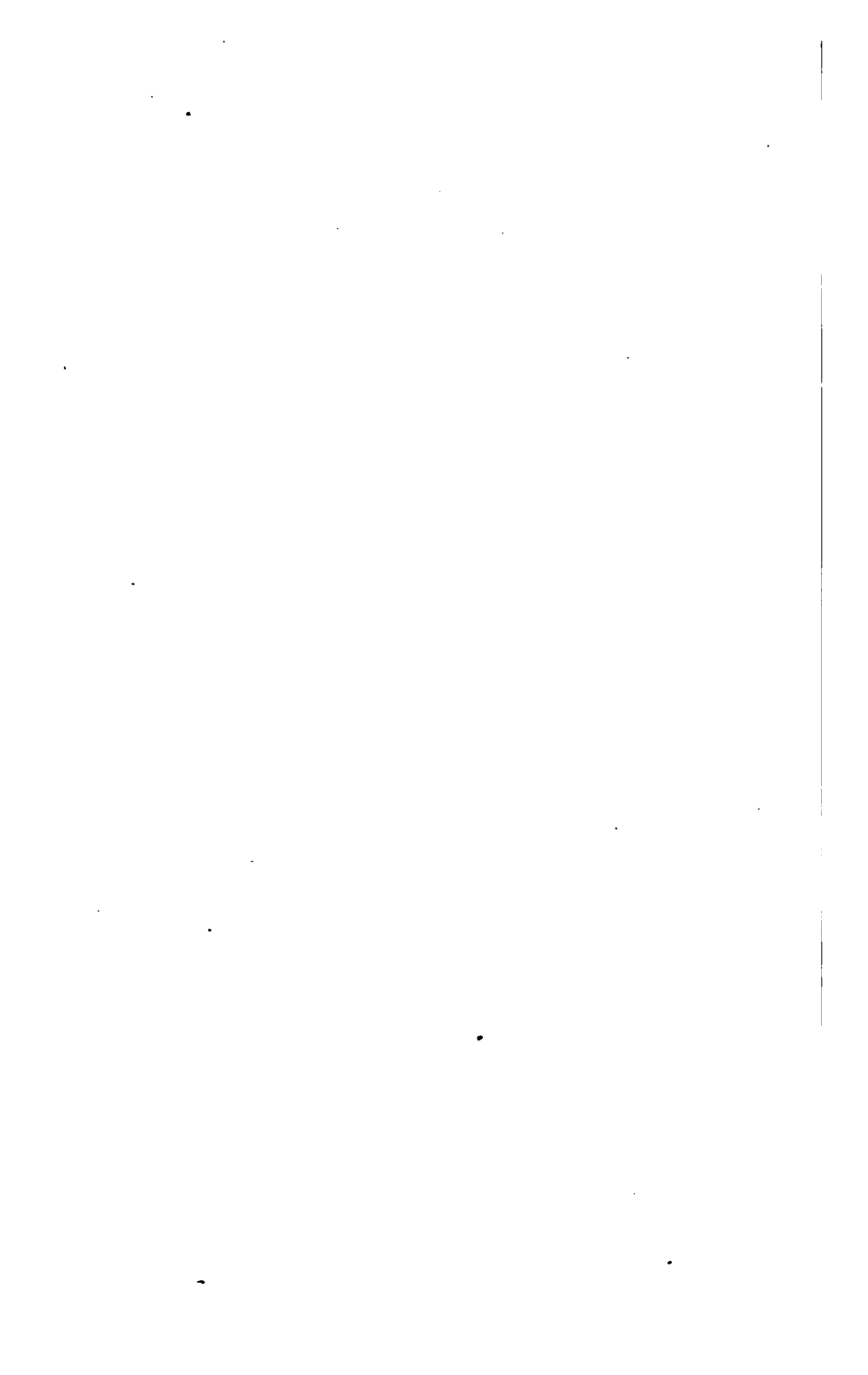
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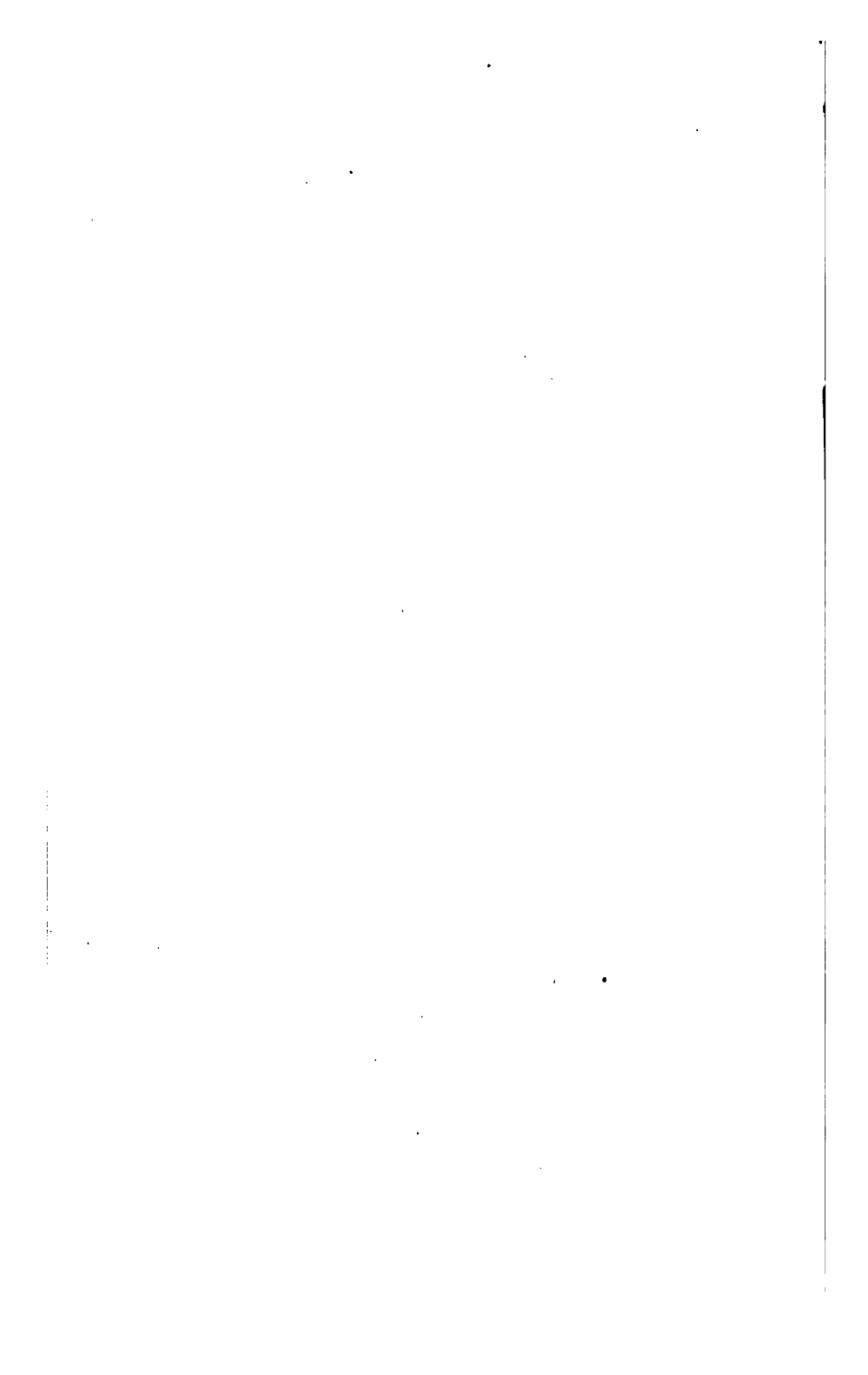
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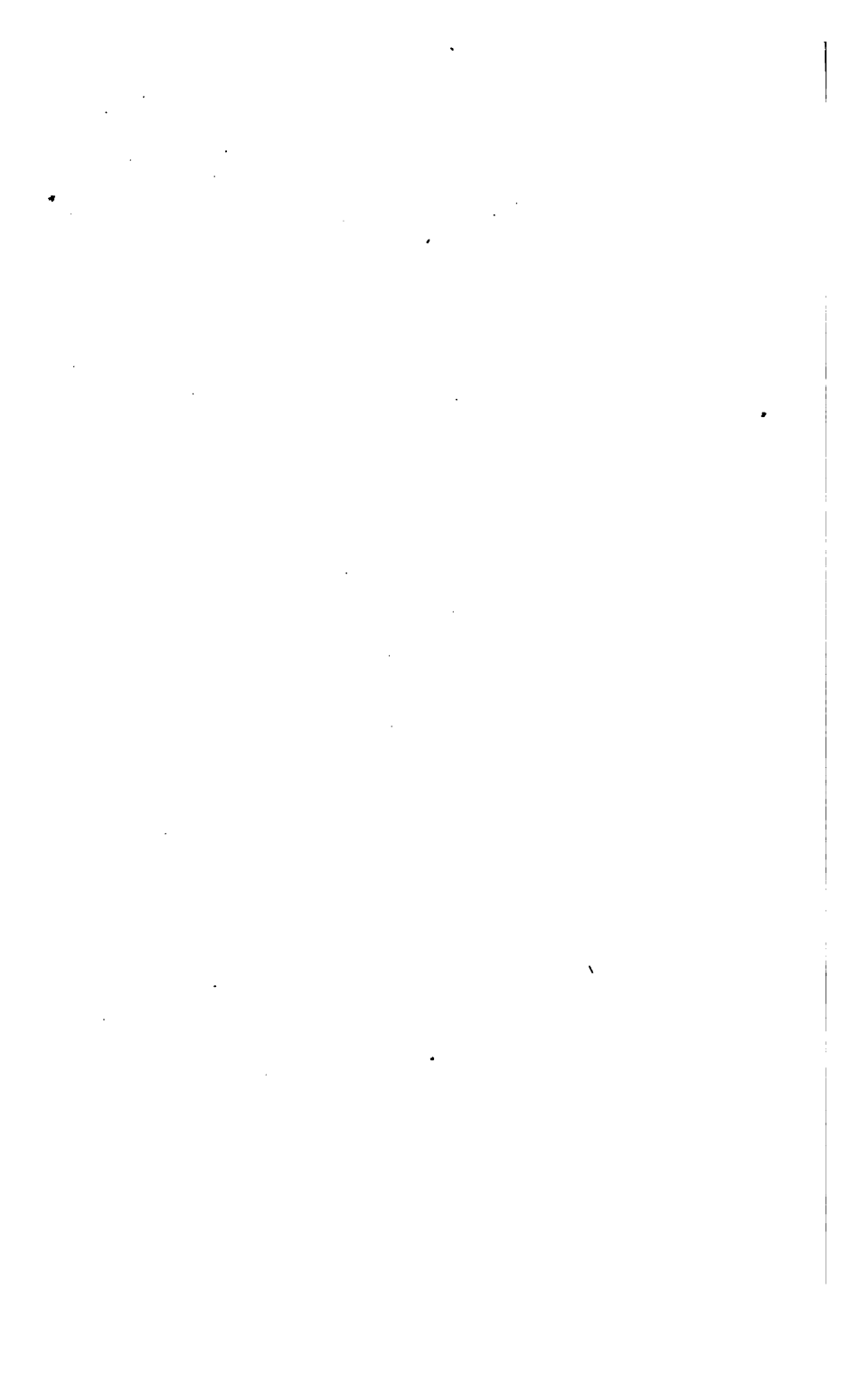


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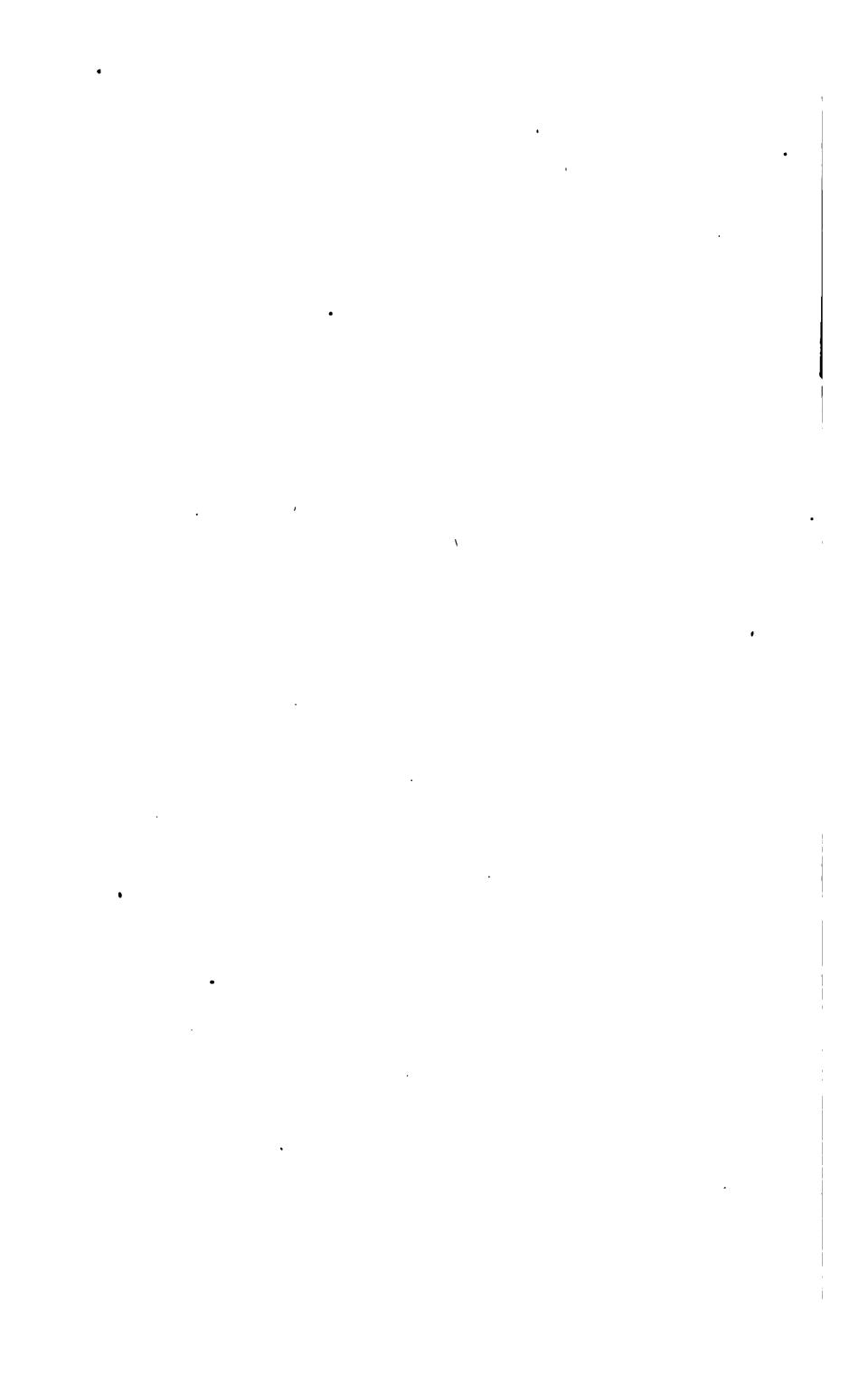


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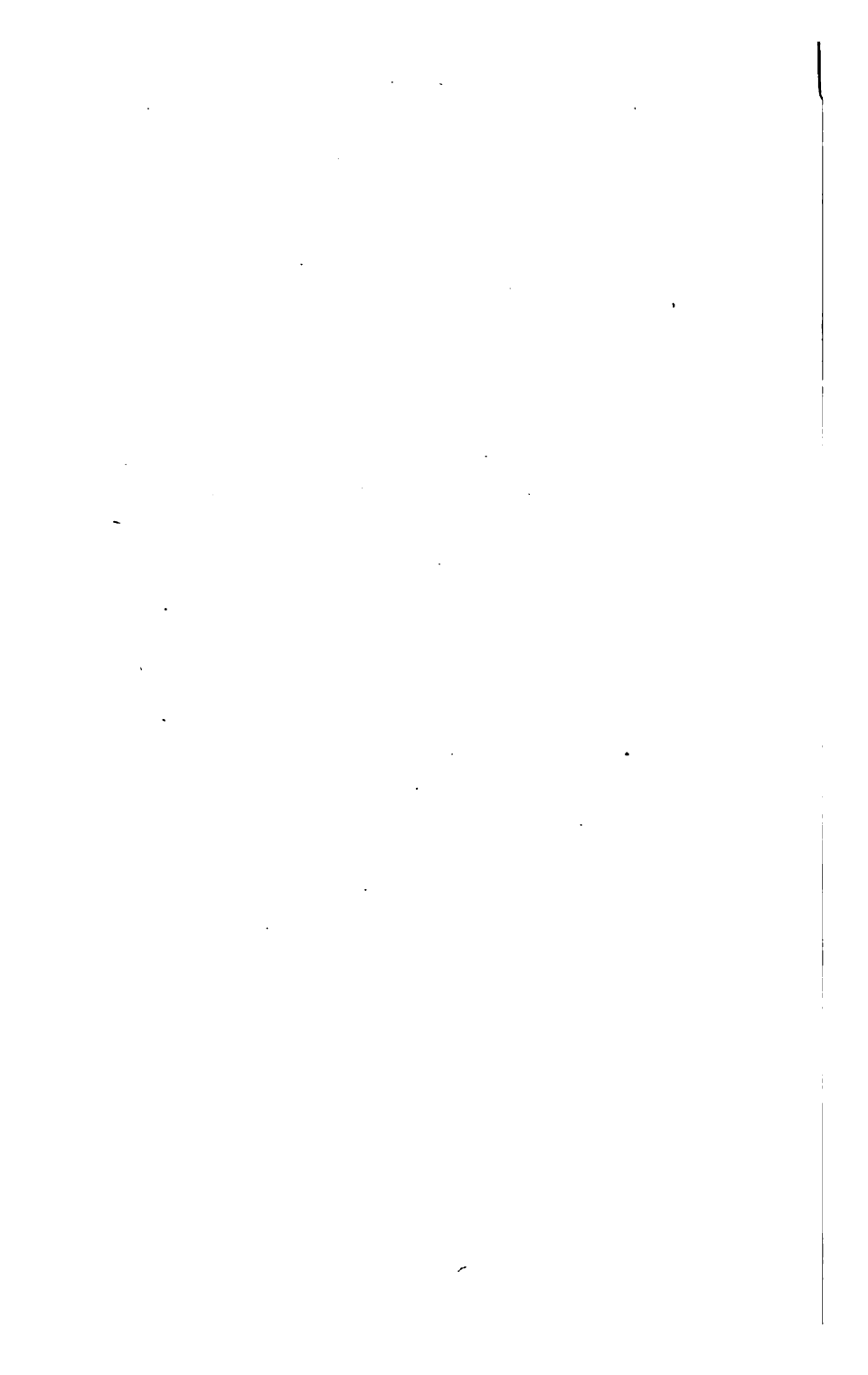
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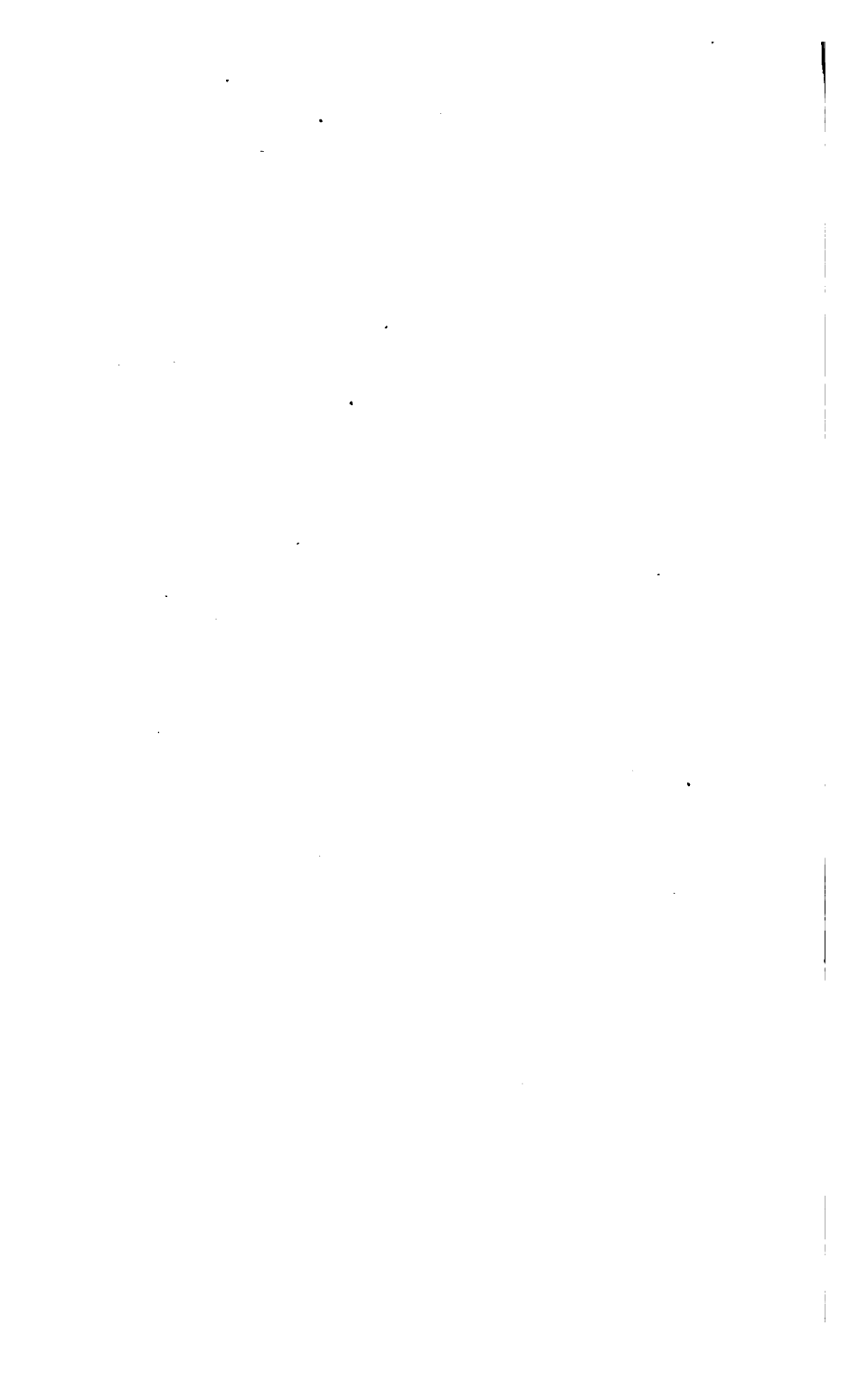
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2325. ZENTMAYER, CHAS., 147 So. Fourth St., Phila., Pa. *Microscopy.*

2326. ZENTMAYER, JOSEPH, 147 So. Fourth St., Phila., Pa.
Manufacturer of Microscopes.
2327. ZESCH, FRANK, 500 Main St., Buffalo, N. Y. *Coleoptera,*
Lepidoptera. Coll. Ex.
2328. ZIMMERMAN, CHAS. D., 571 Main St., Buffalo, N. Y. *Ent.:*
Coleoptera, Lepidoptera. Coll. Ex.
2329. ZIMNER, J. C., Cairo, Ill. *Archæo.* Coll. Ex.

Zeno, C. C. Grand Island City, Neb.
Mineral., fossils, Entomology.



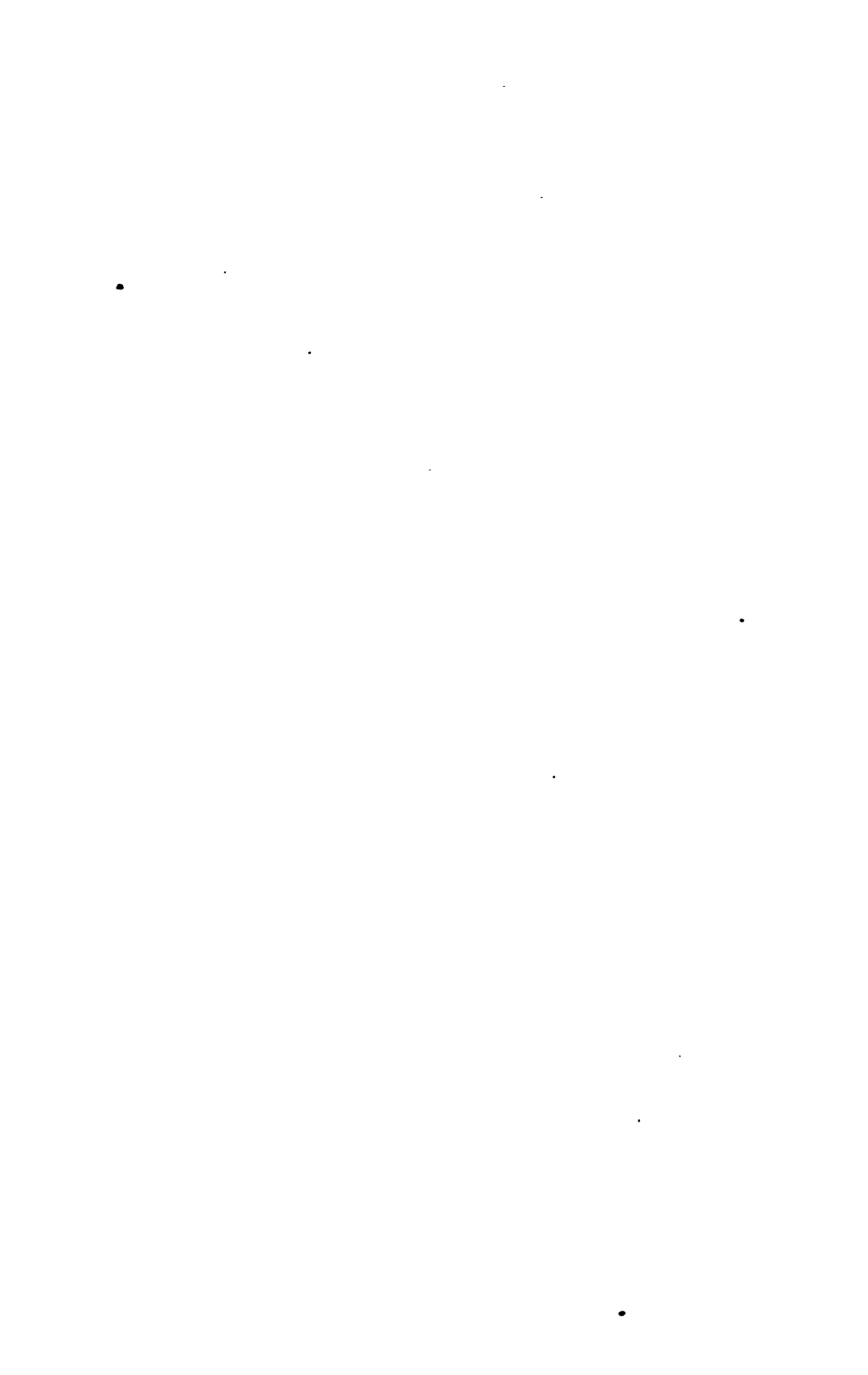
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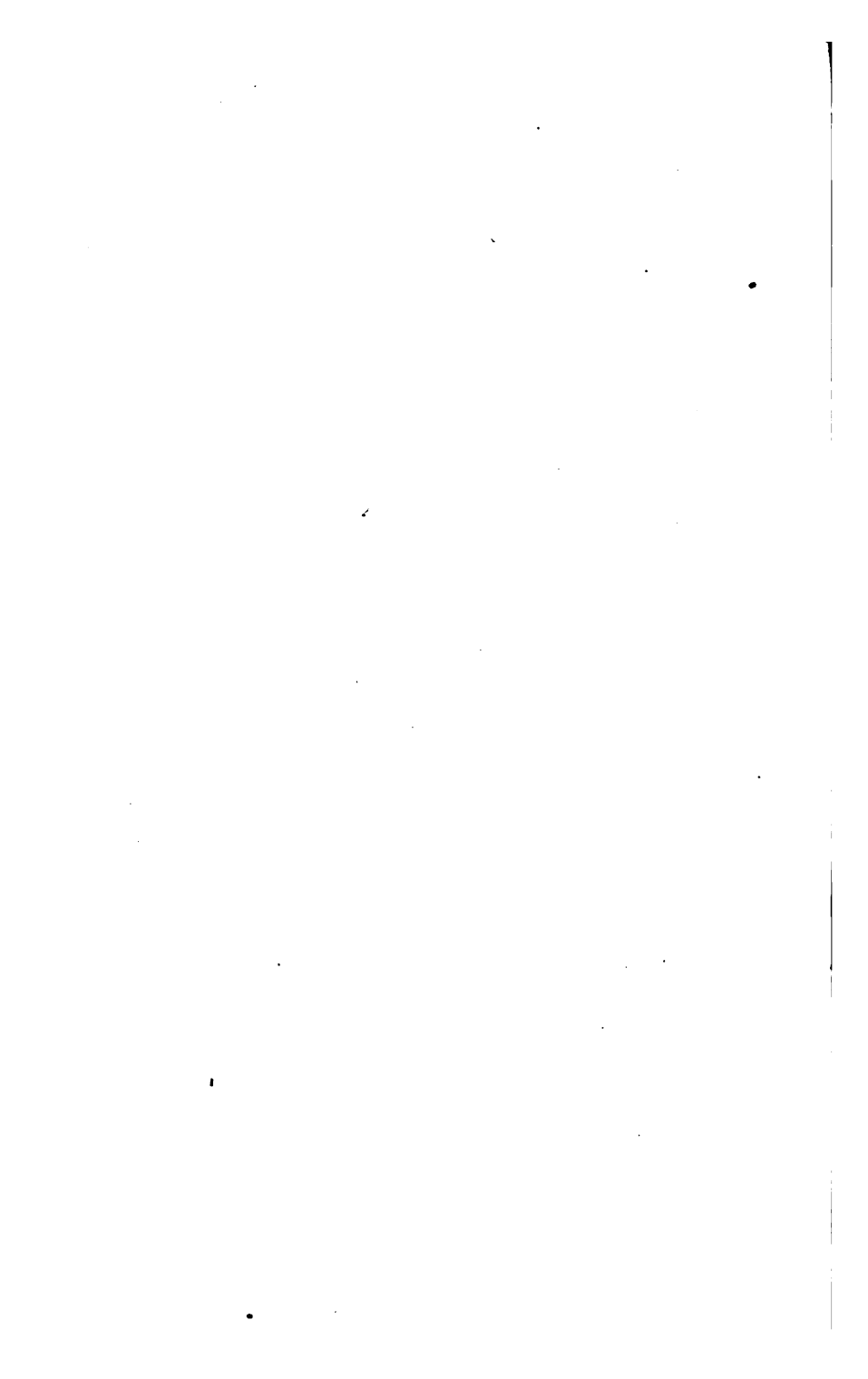
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Herpetology.
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2417. ELNLICHER, ALF. G., 612 Chestnut St., Phila., Pa. *Coleoptera, Lepidoptera.*
2418. ELNLICHER, J. HENRY, 612 Chestnut St., Phila., Pa. *Coleoptera, Lepidoptera.*
2419. FASOLDT, E. C., Albany, N. Y. *Manufacturer of Microscopes.*
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 Wis. *Geol. Coll. Ex.*
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Coleoptera. Coll.
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 2448. KINNE, C. MASON, 422 California St., San Francisco, Cal.
Microscopy.
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Ex.
 2450. KOEHLER, DR. AUGUST, 336 Second Ave., N. Y. City. *Bot.*
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 2453. LINDHEIMER, FERDINAND, New Braunfels, Tex. *Bot.*
 2454. MAISCH, J. M., Prof. of Materia Medica, Phila. Coll. of
 Pharmacy, 145 No. 10th St., Phila., Pa. *Phæn. Bot.,*
Ferns. Coll. Ex.
 2455. MARTIN, PROF., Johns Hopkins Univ., Baltimore, Md.
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Zoöl. Coll. Ex.
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 Ohio.
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 2460. MILLER, F. A., San Francisco, Cal. *Bot.*
 2461. MONTGOMERY, STEWART, Prof. of Nat. Hist., Olivet Coll.,
 Olivet, Mich.
 2462. MORGAN, R. T., Teacher in Nat. Sci., Wheaton Coll.,
 Wheaton, Du Page Co., Ill. *Phæn. Bot., Geol., Orn.*
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Ent. : Aphides ; Micros.
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 Mass. (Now in Mexico.) *Bot., Archæol.*
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 Mass. *Ent. Coll.*
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 ington, D. C.
 2487. WHITFIELD, R. P., Amer. Mus., Central Park, N. Y. City.
Palæo.
 2488. WOOD, HORATIO C., M. D., Phila., Pa. *Biology.*
 2489. YATES, LORENZO G., M. D., Centreville, Alameda Co., Cal.
Palæo., Archæo., Mollusks.
 2490. YOUMANS, MISS ELIZA, 2 E. 15th St., New York City. *Bot.*
 2491. FOSTER, REV. ELON, Middletown, Conn. *Bot.*
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 Middletown, Conn.
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 2495. HALLOCK, CHAS., Editor of "Forest & Stream," 111 Fulton
 St., New York City.
 2496. HANABURGH, REV. D. H., Goshen, N. Y.

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2499. KNOX, M. V. B., Baker Univ., Baldwin, Kans.
2500. MATHER, FRED, 191 High St., Newark, N. J. *Ichth.*
2501. OBER, FRED A., Beverly, Mass. (Absent for one year in West Indies.) *Orn.*
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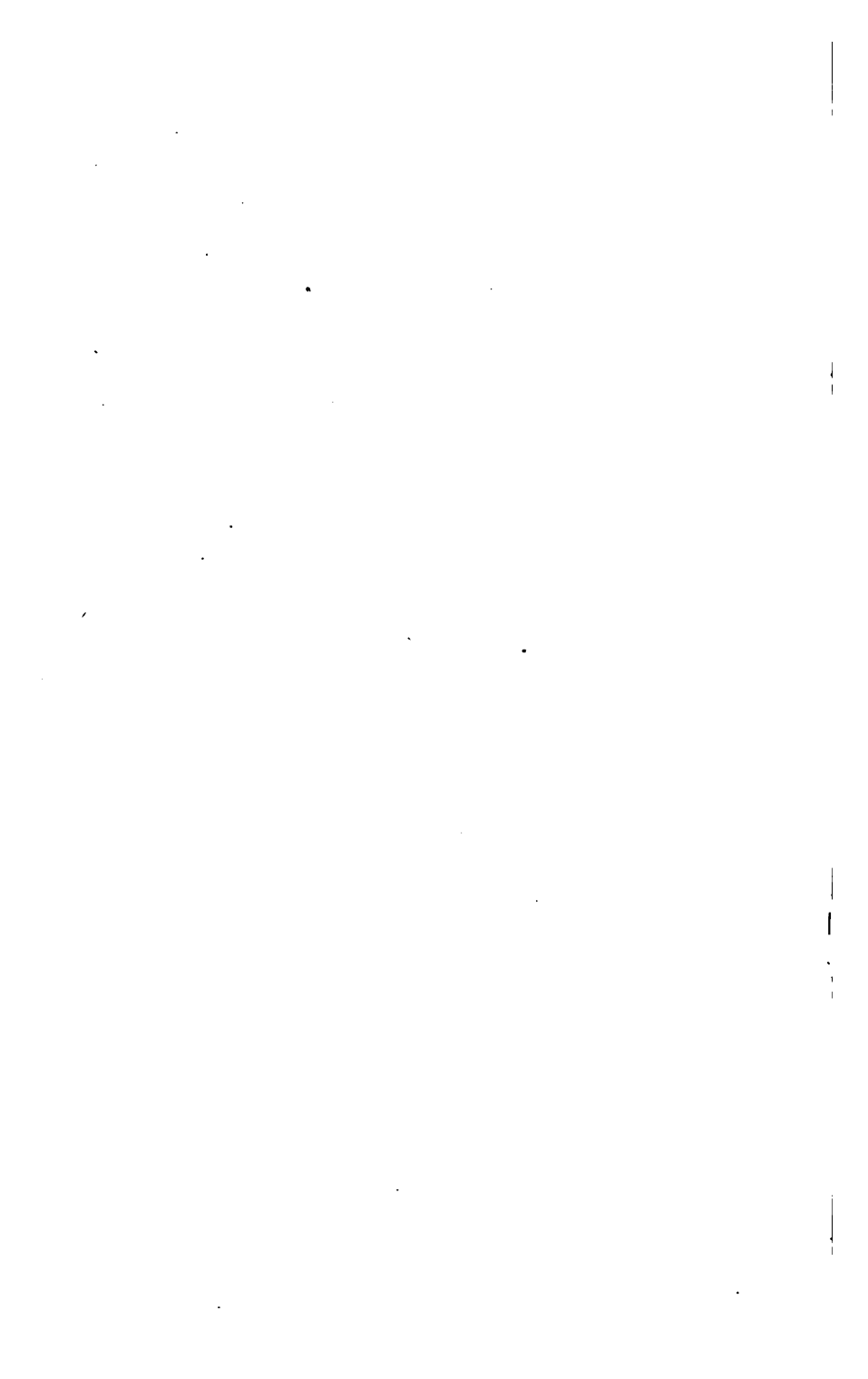
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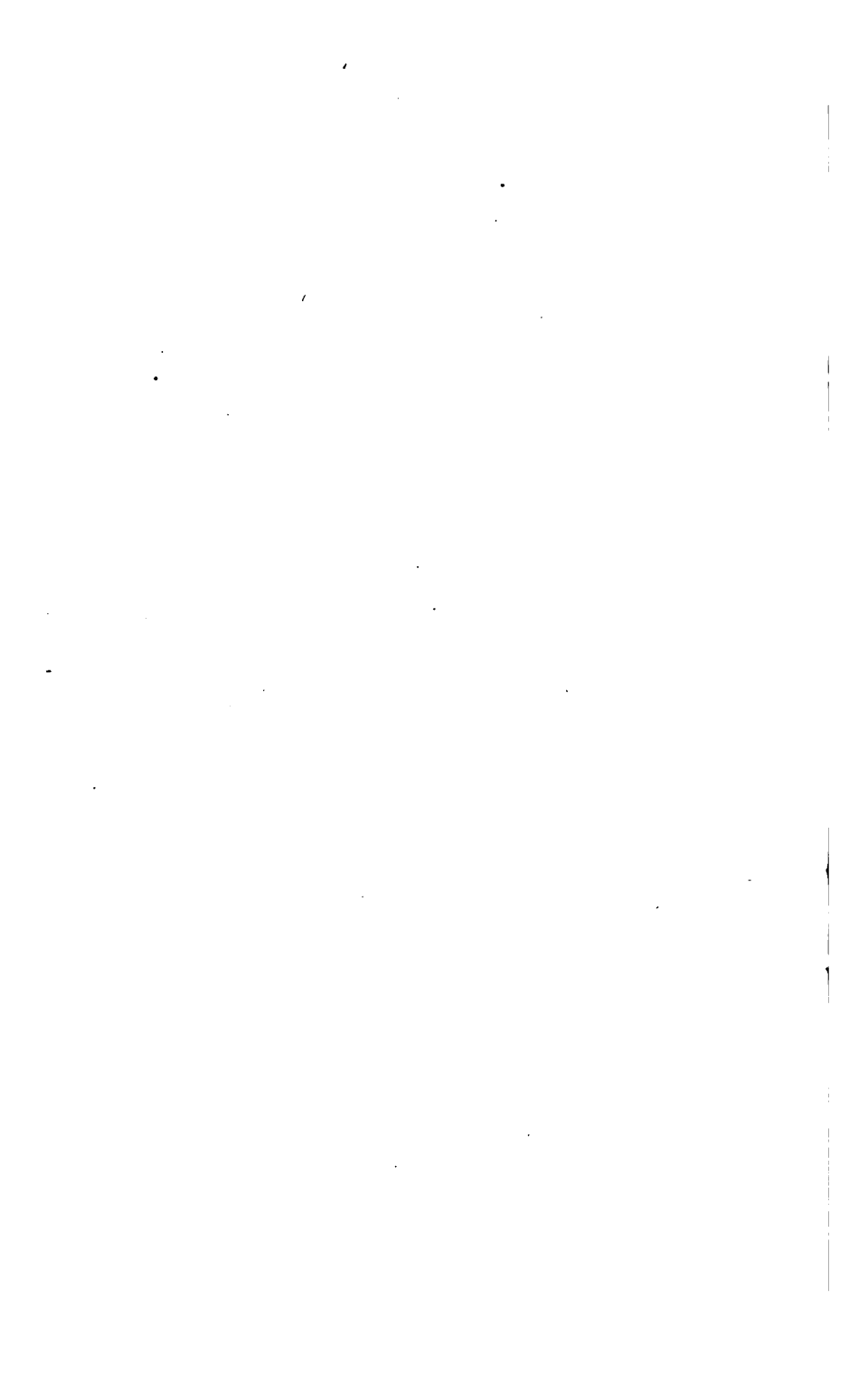
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- ADAMS, PROF. F. P., Ladoga, Ind. Chem., Physics.
 AIKEN, W. E. A., M. D., LL. D., Prof. of Chem., Univ. of Md., Baltimore, Md.
 ALLEN, O. D., Prof. Analyt. Chem., Sheffield Scientific Sch., New Haven, Conn.
 ALLYN, ZACHARIAH, Providence, R. I.
 ALLISON, E. H., Eaton, O.
 AM ENDE, C. G., Hoboken, N. J.
 ANTHONY, WM. A., Prof. of Physics, Cornell Univ., Ithaca, N. Y.
 APPLETON, JOHN H., Prof. of Chem., Brown Univ., Providence, R. I.
 ASHBURNER, CHARLES A., 9 Woodland Terrace, Phila., Pa. Physics.
 ATWATER, W. O., Ph. D., Prof. of Chem., Wesleyan Univ., Middletown, Conn.
 AUSTEN, PETER TOWNSEND, Ph. D., F. C. S., Ass't Prof. Chem., Rutgers Coll., Box 127, New Brunswick, N. J.
 AUSTIN, C. F., Closter, N. J. Chem.
 AVERY, CHARLES E., 114 State St., Boston, Mass. Chem.
- BAER, O. P., M. D., Richmond, Ind. Chem.
 BAILEY, GILBERT E., Prof. Analyt. Chem., Univ. Nebraska, Lincoln, Neb.
 BAILEY, L. W., Prof. of Chem., Univ., Fredericton, N. B. Canada.
 BAKER, THOMAS R., Ph. D., Millersville, Lancaster Co., Pa. Inorg. Chem., Physics. Coll. Ex.
 BAPTIC, G. A. M., M. D., Ottawa, Can. Chem., Physics. Coll.
 BARDEEN, PROF. F. L., M. D., Ann Arbor, Mich. Chem.

- BARTLETT, ARTHUR K., Battle Creek, Mich. Physics.
 BARTLEY, E. H., Prof. of Chem., Swarthmore Coll., Swarthmore, Pa.
 BARTOL, GEORGE, S. B., Lancaster, Mass. Chem., Physics.
 BATES, JOSEPH, M. D., Lebanon Springs, N. Y. Chem.
 BAXLEY, WM. T., 125 Third St., Oakland, Cal. Chem.
 BEAL, WM., Murphey, N. C. Chem.
 BECKER, G. F., Ph. D., Univ. Cal., Oakland, Cal. Chem., Physics.
 BEDFORD, PROF. P. W., Box 1738, New York City. Inorg. Chem.
 BELL, ROBERT, M. D., Montreal, Can. Inorg. Chem.
 BISCOE, PROF. T. D., Marietta, O. Physics.
 BISHOP, CHARLES L., Jamestown, N. Y. Physics.
 BLACKHAM, GEO. E., M. D., Dunkirk, N. Y. Physics.
 BLACKIE, GEO. S., A. M., M. D., Ph. D., Prof. of Chem., Nashville Med. Coll., Nashville, Tenn.
 BLAKE, E. W., jr., Prof. of Phys., Brown Univ., Providence, R. I.
 BLAKE, JOHN M., New Haven, Conn. Chem.
 BLANPIED, B. T., Prof. of Chem., Hanover, N. H.
 BODLEY, ADDISON R., M. D., Angola, Ind. Chem.
 BOERNER, CHAS. G., Vevay, Ind. Chem., Phys.
 BOGUE, OLIVER H., Instructor in Chem., Earlham Coll., Richmond, Ind. Coll.
 BOLTON, H. CARRINGTON, Ph. D., Prof. of Chem., Trinity Coll., Hartford, Conn.
 BOLTON, W. P., Liberty Square, Pa. Chem., Phys.
 BOND, JOSIAH, jr., Kenosha, Wis.
 BOND, SHADE C., Perryville, Mo. Physics.
 BOOST, ALEXANDER, Hartford, Conn. Botany and Chemistry.
 BOUVÉ, THOS. T., 18 Post Office Square, Boston, Mass.
 BRACE, DEWITT B., Lockport, N. Y. Physics.
 BRAGG, CHAS. S., Braggville, Mass. Chem.
 BRAGG, E. B., Amherst, Mass. Chem.
 BREIDENBAUGH, PROF. E. S., Prof. Chem. and Min., Penn. Coll., Gettysburg, Pa.
 BRENNEMAN, A. A., Ass't Prof. and Lecturer, Indust. Chem., Cornell Univ., Ithaca, N. Y. Physics.
 BRITTON, N. L., New Dorp, Staten Island, N. Y. Inorg. Chem.
 BROCKLESBY, JOHN, LL. D., Prof. Nat. Phil. and Astron., Trinity College, Hartford, Conn.
 BROWNELL, W. A., Syracuse, N. Y. Chem., Physics.
 BULLOCK, CHARLES, 528 Arch St., Phila., Pa. Chem.
 BURNSTINE, ISADORE, Detroit, Mich. Chem.
 BUSHEE, PROF. JAMES, Worcester, Mass. Physics, Chem.
 BUTLER, C. H., W. 1st St., Oswego, N. Y. Chem.
 BUTLER, FRANK A., 314 Union St., Brooklyn, N. Y. Chem.
 CADY, L. B., E. M., Asst. in Metallurgy, School of Mines, Columbia College, N. Y.
 CALDER, EDWIN E., Brown Univ., Providence, R. I. Chem.
 CALDWELL, GEO. C., Prof. of Analyt. and Agric. Chem., Cornell Univ., Ithaca, N. Y.
 CARHART, H. S., Prof. Physics and Chem., N. W. University, Evanston, Ill.

- CARPENTER, H. F., 29 & 31 Page St., Providence, R. I. Chem.
CHAMBERLAIN, C. W., M. D., Hartford, Conn. Chem.
CHAMBERLIN, S. N., Daytona, Fla. Chem.
CHANDLER, CHARLES F., Prof. of Chem., Columbia Coll.; Coll. of Physicians and Surgeons; N. Y. Coll. Pharmacy; New York City. Coll. Ex.
CHANDLER, W. H., Prof. of Chem., Lehigh Univ., Bethlehem, Pa.
CHASE, PROF. FRED A., Fisk Univ., Nashville, Tenn. Physics.
CHASE, THEODORE R., Detroit, Mich. Chem., Physics.
CHATARD, T. M., S. B., Baltimore, Md.
CHENEY, MARGARET S., Boston, Mass.
CHESTER, ALBERT H., Prof. of Chem., Clinton, Oneida Co., N. Y.
CHEVALIER, JOSEPHINE, Box 802, Ithaca, N. Y. Chem.
CHITTENDEN, PROF. R. H., Yale College, New Haven, Conn. Physiolog. Chem.
CHURCH, J. A., E. M., Tarrytown, N. Y.
CLARK, J. A., L'Assommoir, La Salle Co., Ill. Chem.
CLARKE, F. W., Prof. Univ. Cincinnati, Cincinnati, O. Chem.
CLARKSON, J. A., M. D., Ph.D., Analyt. Chem. 43 North Calvert St., Baltimore, Md.
CLIFFORD, F. S., Boston, Mass. Chem., Physics.
COFFINBERRY, W. L., Grand Rapids, Mich. Physics.
COLBY, EDW. P., M. D., Prof. of Med. Chem., Boston University School of Medicine.
COLBY, CHAS. E., School of Mines, Columbia College, N. Y.
COLLIER, HIRAM, Prof. Chem. and Physics, Univ. of Neb., Lincoln, Nebraska.
COOKE, PROF. J. P., jr., Harvard Univ., Cambridge, Mass.
COOKE, WM. E., East Fairmount, Cincinnati, O. Chem.
COON, HENRY C., M. D., Prof. Physics and Chem., Alfred Centre, N. Y.
CORRIGAN, S. J., St. Paul, Minn. Physics.
COX, E. T., State Geologist, Indianapolis, Ind. Chem.
CRAVEN, F. S., M. E., Assistant in J. C. Green School of Science, Princeton, New Jersey. Mineralogy and Analytical Chem.
CREHORE, JOHN D., A. M., 458 Prospect St., Cleveland, Ohio. Physics.
CROOKE, JOHN J., 163 Mulberry St., New York City. Chem.
CROSS, CHAS. R., Prof. of Physics, Mass. Inst. Technol., Boston, Massachusetts.
CRUMP, M. H., Ogden Coll., Bowling Green, Ky. Chem.
CULIN, ROBERT S., Moorestown, Burlington Co., N. J. Chem., Physics.
CURTISS, L. R., Mendota, Ill. Physics.
CUTTER, W. E., Chemist, Worcester, Mass.
DANIELLS, W. W., M. S., Prof. of Chem., Univ. of Wisconsin, Madison, Wis.
DAVIDSON, GEORGE, Pres. Acad. Nat. Sci., San Francisco, Cal. Physics.
DAVIDSON, H. M., Ogdensburg, N. Y. Chem.
DAVIES, JOHN E., Prof. of Physics, Univ. of Wisconsin, Madison, Wis.

- DEAN, D. V., M. D., St. Louis, Mo. Chem.
DE GARMO, JAMES M., Rhinebeck, Dutchess Co., N. Y. Physics.
DOLBEAR, A. E., College Hill, Mass. Physics.
DOUGLASS, DR. S. H., Ann Arbor, Mich.
DROWN, THOMAS M., M. D., Prof. of Analyt. Chem., Lafayette Coll., Easton, Pa.
DRYER, CHAS. R., Fort Wayne, Ind. Chem.
DUNNINGTON, F. P., B. Sc., Prof. of Analyt. and Agric. Chem., Univ. of Virginia, Va.
DWIGHT, CHAS. E., Wheeling, W. Va. Chem., Physics.
- EATON, DARWIN G., Ph. D., Packer Inst., Brooklyn, N. Y. Chem.
EATON, JAMES R., Prof. of Inorg. Chem. and Physics, William Jewell Coll., Liberty, Mo.
EATON, T. J., M. D., Ph. D., Kansas City, Mo. Chem.
EDISON, THOS. A., Menlo Park, N. J. Electrician.
EDMAN, J. A., Meadow Valley, Cal. Chem.
ELDER, WM., Prof. of Chem. and Nat. Hist., Colby Univ., Waterville, Me.
ELLIOTT, ARTHUR H., 36 New St., New York City. Chem.
ELLIOTT, JNO. B., M. D., Univ. of the South, Sewanee, Tenn. Chemistry.
ELSNER, JOHN, M. D., Denver, Colo. Chem., Physics.
EMERSON, CHARLES FRANKLIN, Prof. of Nat. Philos., Dartmouth Coll., Hanover, N. H. Physics.
ENDLICH, DR. F. M., Smithsonian Institution, Washington, D. C.
ENGELHARDT, F. E., Syracuse, N. Y. Chem.
ENSIGN, WM. O., M. D., Rutland, Ill. Chem.
- FAIRBANKS, REV. HENRY, St. Johnsbury, Vt. Physics. Coll.
FARRAR, C. S., Prof. of Chem., Milwaukee Coll., Milwaukee, Wis.
FENNELL, ADOLPHUS, Cincinnati, O. Chemist.
FERNALD, M. C., Prof. Math. and Phys., State Coll., Orono, Me.
FLOYD, F. W., E. M., Asst. in Metallurgy, School of Mines, Columbia College, N. Y.
FRANCIS, GEO. E., M. D., Worcester, Mass. Physics.
FRANKLIN, WM. E., M. D., LaGrange, Tenn. Chem.
FRAZER, PERSIFOR, jr., Phila., Pa. Chem.
FRIES, ALEX. P., St. Nicholas, Fla. Chem., Physics.
FRISTOE, E. T., LL. D., Prof. of Chem. and Nat. Sci., Columbia Coll., Washington, D. C. Coll.
FROHWEIN, THEOBALD, 218 Stanton St., New York City. Chem., Pharmacy.
FULTON, PROF. ROBERT B., Oxford, Miss. Physics.
- GALLOWAY, G. W., jr., M. D., Findlay, O. Chemistry.
GARLAND, L. C., A. M., LL. D., Prof. of Phys. and Astron., Vanderbilt Univ., Nashville, Tenn.
GARRISON, PROF. H. D., Chicago Coll. of Pharm., Chicago, Ill.
GARVER, M. M., Prof. of Nat. Sci., Mercersburg, Pa. Physics.
GEIGER, H. R., Prof. Nat. Sci., Wittenberg Coll., Springfield, O.

- GENTH, F. A., W. Phila., Pa. Chem.
GEORGE, T. C., Univ. of the Pacific, Box 242, San José, Cal. Chem.
GESNER, WM., M. D., Birmingham, Ala. Chem.
GIBBS, WOLCOTT, Cambridge, Mass. Chem., Physics.
GIFFORD, WM. E., Box 4867, New York City. Chem.
GILBERT, DEXTER W., Keene, N. H. Physics.
GILL, WM. L., Lancaster, Pa. Chem.
GOESSMAN, CHAS. ANTHONY, Ph. D., Prof. Chemistry, Amherst, Mass.
GOLDSCHMIDT, S. A., Ph.D., 59 Liberty St., New York City. Chem.
GORTON, DAVID A., M. D., 291 Broadway, N. Y. Chem., Physics.
GRANDY, PROF. C. D., Chapel Hill, N. C. Chem.
GRAVES, W. B., Prof. Physics, Mass. Agric. Coll., Amherst, Mass.
GREEN, HENRY A., Atco, N. J. Chem.
GREEN, J. C., M. D., 124 Swan St., Buffalo, N. Y. Chem.
GREGG, WM. H., M. D., Elmira, N. Y. Analyt. Chem.
GROFF, PROF. GEO. G., M. D., Westchester, Pa. Chem.

HAAMEL, E., Ph.D., Cobourg, Ontario, Can. Physics.
HALL, JOSEPH, Prof. Physical Science, Hartford, Conn.
HAMILTON, HUGH, M. D., B. S., Harrisburg, Pa. Chem.
HAMLIN, A. C., M. D., Bangor, Me. Chem.
HARDING, AUG., Asst. in Chem., Univ. of Cal., Berkeley, Cal.
HARRINGTON, B. J., A. B., Ph.D., 96 St. Gabriel St., Montreal, Can. Chem.
HART, EDWARD, S. B., Doylestown, Pa. Chem.
HASSON, W. F. C., U. S. N. Acad., Annapolis, Md. Physics.
HASTINGS, CHAS. S., Ph.D., Johns Hopkins Univ., Baltimore, Md. Physics.
HATFIELD, MARCUS P., A. M., M. D., Chicago, Ill. Toxicological Chemistry.
HAYNES, ARTHUR E., Prof. Math. and Physics, Hillsdale Coll., Michigan.
HAZARD, R. G., 2d, Peace Dale, R. I. Chemistry.
HENCK, JOHN B., jr., Mass. Inst. Tech., Boston, Mass. Physics.
HIBBARD, WM. E., 1 Wall St., New York City. Chem.
HICKS, L. E., Prof. Nat. Sci., Denison University, Granville, O.
HIGLEY, W. K., Box 1229, Ann Arbor, Mich. Chem. Coll. Ex.
HILGARD, E. W., Ph. D., Prof. Univ. of Cal., Oakland, Cal. Chem.
HILL, WALTER N., Newport, R. I. Chem.
HINDE, J. I. D., A. M., Cumberland Univ., Lebanon, Tenn. Chem.
HINRICHS, PROF. G., M. D., Iowa City, Iowa. Physics.
HINSDALE, REV. ROBERT G., Geneva, N. Y. Chem.
HITCHCOCK, PROF. R., 8 Beekman Place, New York City. Chem.
HODGES, H. B., Ass't in Chem., Harvard Univ., Cambridge, Mass.
HOLBROOK, FRANCIS N., Columbia Coll., N. Y. Chem.
HOLBROOK, J. J., Keene, N. H., Chem., Physics.
HOLLAND, PROF. J. W., M. D., Louisville, Ky. Physics.
HOLLICK, ARTHUR, Box 105, New Brighton, Staten Island, N. Y. Chem.
HOLMAN, GEO. M., B. S., Fitchburg, Mass. Chem.
HOLMAN, SILAS W., S. B., Framingham, Mass. Physics.

HOLMES, MISS MARY E., Box 485, Rockford, Ill. Chem.
 HOTZE, C. L., Cleveland, O. Physics.
 HOUSTON, GEO. M., Harrisonville, Mo. Chem.
 HOWEY, PROF. F. L., Ark. Indust. Univ., Fayetteville, Ark. Chem.
 HUNT, GIDEON, Plainfield, Hendricks Co., Ind. Chem.
 HUNT, DR. T. STERRY, Prof. Mass. Inst. Technol., Boston, Mass. Chem.
 HUSSEY, GEO. B., Box 174, East Orange, N. J. Chem.
 HYATT, JAMES, Stanfordville, N. Y. Chem.

IRVING, ROLAND D., Prof. Geol. and Metallurgy, Madison, Wis.

JACKSON, O. R., Asst. in Chemistry, Harvard University, Cambridge, Mass.
 JACQUES, WILLIAM W., S. B., Johns Hopkins Univ., Baltimore, Maryland. Physics.
 JEWELL, THEODORE F., Washington, D. C. Inorg. Chemistry, Physics.
 JEWETT, HENRY S., A. M., M. D., Dayton, O. Chem.
 JOHNSON, A. B., Utica, N. Y. Chem.
 JONES, JOSEPH, M. D., Prof. Chem., University of Louisiana, New Orleans, La.
 JOY, DR. C. A., Stockbridge, Mass.
 JUDGE, J. F., M. D., N. W. Cor. Court & Cutter Sts., Cincinnati, O. Chem.
 JUNGK, K., Chemist, Cincinnati, Ohio.

KEDZIE, W. K., Prof. Chem. and Physics, State Agric. Coll., Manhattan, Kans.
 KEEP, PROF. JOSIAH, Golden Gate Acad., Oakland, Cal. Chem.
 KERR, PROF. J. H., Colorado Springs, Colo. Chem.
 KERVEY, H. R., Box 190, West Chester, Pa. Chem.
 KNOWLTON, W. J., 18 Arch St., Boston, Mass. Chem.
 KNOX, S. B. P., A. M., M. D., Santa Barbara, Cal. Chem.
 KOCH, CHAS., 502 Diamond St., Phila., Pa. Chem.
 KÖNIG, G. A., Ph. D., Ass't Prof. Chem., Univ. of Pa., Phila., Pa.
 KUNZ, GEO. F., 72 First St., Hoboken, N. J. Chem.

LAND, WM. J., Box 305, Atlanta, Ga. Analyt. Chem. Coll. Ex.
 LECONTE, JOHN, Univ. of Cal., Berkeley, Cal. Physics.
 LEDOUX, ALBERT R., A. M., Ph. D., Chapel Hill, N. C. Chem. Coll.
 LEE, RICHARD H., Lawrence Scientific School, Cambridge, Mass.
 LEES, WM. T., Cor. Ave. A and 21st St., New York City. Chem.
 LEWIS, HENRY C., A. M., Germantown, Phila., Pa. Chem.
 LINDSLEY, J. B., M. D., Nashville, Tenn. Chem.
 LITTON, PROF. A., 2220 Eugenia St., St. Louis, Mo. Chem.
 LOCHSCHMIDT, PROF. C., St. Vincent's Coll., Beatty, Pa. Inorg. Chemistry.

- LOCKE, C. A., Atlanta, Ga. Physics.
- LOOMIS, PROF. SILAS L., M. D., Washington, D. C. Chem., Physics. Coll.
- LOUGHRIDGE, R. H., Ph. D., Box 404, Atlanta, Ga. Chem.
- LOVE, EDWARD G., Columbia Coll., N. Y. City Chem.
- LOVERING, JOSEPH, Prof. Physics, Harvard Univ., Cambridge, Mass.
- LOWE, FRANCIS A., Smithsonian Institution, Washington, D. C. Chem., Physics.
- LYLE, DAVID A., Springfield, Mass. Physics.
- LYONS, A. B., M. D., 125 Fort St. West, Detroit, Mich. Prof. of Chem., Detroit Medical Coll.
- MACFARLANE, THOMAS, Actonvale, Quebec, Can. Chem., Phys.
- MACKINTOSH, JAMES B., E. M., C. E., 55 Garden St., Hoboken, N. J. Chem.
- MACY, ARTHUR, Ph. B., School of Mines, Columbia Coll., N. Y. City.
- MAISCH, PROF. J. M., 145 No. 10th St., Phila., Pa. Chem.
- MALLINCKRODT, O., of Mallinckrodt & Co., Manuf., St. Louis, Mo.
- MANSFIELD, PROF. J. M., Mt. Pleasant, Iowa. Chem., Physics.
- MARTIN, REV. CARLISLE, P. B., Prof. of Chem., State Agric. Coll., College Station, Texas.
- MARTIN, J. MCC., Prof. Nat. Sci., Ohio Univ., Athens, O.
- MATHEWS, FRANK, Chillicothe, Ill. Chem.
- MAYER, ALFRED M., Prof. of Physics, Stevens Inst. Technol., Hoboken, N. J.
- MCCCLINTOCK, FRANK, West Union, Fayette Co., Iowa. Physics.
- MCCONNELL, PROF. J. B., 157 Bleury St., Montreal, Canada. Physics.
- MCCREATH, ANDREW S., Harrisburg, Pa.
- MEANS, REV. ALEXANDER, A. M., M. D., Oxford, Ga. Chem., Physics.
- MEARS, LEVERETT, Ph. D., Instructor in Chemistry, Amherst College, Amherst, Mass.
- MEES, DR. C. LEO, Lanesville, Ky.
- MERRIMAN, G. B., Prof. Nat. Philosophy, Rutgers College, New Brunswick, N. J.
- METTAUER, HENRY A., M. D., Macon, Ga. Chem.
- MICHELSON, A. A., Instr. in Phys. and Chem., U. S. Naval Acad., Annapolis, Maryland.
- MILLER, ADOLPH W., M. D., 860 N. 5th St., Phila., Pa. Chem.
- MONTGOMERY, HENRY, A. M., Toronto Collegiate Inst., Toronto, Can. Inorg. Chem.
- MORLEY, EDW. W., M. D., Prof. of Chem., W. R. Coll., Hudson, Ohio.
- MORRIS, J. CHESTON, M. D., 1514 Spruce St., Phila., Pa. Chem.
- MORSE, FRANK B., B. S., 13 Worcester Square, Boston, Mass. Chem., Physics.
- MORSE, H. N., Ph. D., Asst. Prof. Chem., Johns Hopkins Univ., Baltimore, Md.
- MORTON, HENRY, Ph. D., Pres. Stevens Inst., Hoboken, N. J. Chem., Physics. Coll. Ex.

- MOSES, T. F., Prof. Nat. Sci., Urbana University, Urbana, Ohio.
MOTT, HENRY A., jr., Ph. D., Box 2036, N. Y. City. Chem.
MUNROE, CHAS. E., Prof. of Chem., U. S. N. Acad., Annapolis, Maryland.
MUNROE, W. C., M. D., Penn Yan, N. Y. Chem., Physics.
MYERS, JOHN A., Prof. of Chem., Bethany, W. Va.
- NASON, HENRY B., Prof. of Chem., Rensselaer Polytechnic Inst., Troy, N. Y.
NICHOLS, JAMES R., Haverhill, Mass. Chem.
NICHOLS, WM. RIPLEY, Prof. of Chem, Mass. Inst. Technol., Boston, Mass. Chem. (Inorganic and Sanitary).
NIPHER, FRANCIS, Prof. of Physics, Washington Univ., St. Louis, Missouri.
NORRIS, ISAAC, M. D., 1424 Walnut St., Phila., Pa. Chem., Physics.
NORWOOD, CHAS. J., Bethel Coll., Russellville, Ky. Physics.
NORWOOD, PROF. J. G., Columbia, Mo. Physics.
- OLESON, O. M., Ph. G., Fort Dodge, Iowa. Chem.
ORNE, JOHN, jr., Cambridge, Mass. Physics.
OSBORN, PROF. H. S., LL. D., State Univ., Oxford, O. Analyt. Chem.
OSBUN, I. J., A. M., State Normal School, Salem, Mass. Chem., Physics.
- PATCH, MAURICE B., Houghton, Mich.
PATRICK, GEO. E., State Univ., Lawrence, Kans. Chem.
PAYNE, WILLIAM M., South Division High School, Chicago, Ill.
PEABODY, SELIM H., Ph. D., 592 W. Adams St., Chicago, Ill. Physics.
PROUTY, IRA J., Keene, N. H. Inorg. Chem.
PECKHAM, PROF. S. F., Minneapolis, Minn. Chem.
PENFIELD, SAM'L L., Ass't in Analyt. Chem., Sheffield Lab., New Haven, Conn.
PENHOEL, DE M., M. D., Willetts Point, N. Y.
PEROT, CHAS. P., 142 So. 18th St., Phila., Pa. Chem.
PERRIN, F. D., M. D., Boston, Mass. Chem.
PETER, ALFRED M., Lexington, Ky. Org. Chem.
PETER, ROBERT, Prof. of Chem. and Physics, Ky. Univ., Lexington, Ky.
PHELPS, GEO. N., 127 First Place, Brooklyn, N. Y.
PHILIPS, PROF. G. MORRIS, A. M., West Chester, Pa. Physics.
PICKERING, EDW. C., Harvard Coll. Observ., Cambridge, Mass. Physics.
PICKERING, W. H., 84 Mt. Vernon St., Boston, Mass. Physics.
PIERCE, B. O., Ass't in Physics, Harvard University, Cambridge, Mass.
PIRZ, ANTHONY, Long Island City, N. Y. Chem.

PITMAN, PROF. STEPHEN M., Tufts Coll., College Hill, Mass.
Chemistry.
PLUMMER, MISS SARA A., Santa Barbara, Cal. Chem., Physics.
POOLE, HERMAN, Buffalo, N. Y. Chem., Physics.
PYNCHON, THOMAS R., D. D., LL. D., Hartford, Conn. Chem.,
Physics.

RAFTER, GEO. W., C. E., Rochester, N. Y. Chem., Physics.
RALPHY, ALFRED J., Nashville, Brown Co., Ind. Chem.
RANDOLPH, JOHN C., A. M., E. M., 35 Broadway, N. Y. Chem.
REDDING, THOS. B., A. M., New Castle, Ind. Chem.
REMSEN, IRA, Prof. of Chem., Johns Hopkins Univ., Baltimore,
Maryland.
RICHARDS, MRS. R. H., Mass. Inst. Tech., Boston, Mass. Analyt.
Chemistry.
RICKETTS, P. de P., Columbia Coll., New York City. Chem.
ROBERTS, C. H., Sup't City Schools, Rochester, Minn. Chem.
ROBERTS, PROF. G. S., E. M., C. E., 88 Union Ave., Brooklyn,
E. D., N. Y. Chem.
ROBINSON, F. C., Bowdoin Coll., Brunswick, Me. Chem.
ROCKWELL, PROF. G. J., 20 East 42nd St., New York City.
ROEDER, F., Chemist, Cincinnati, Ohio.
ROOT, ELIHU, Ph. D., Prof. Math. and Nat. Phil., Amherst Coll.,
Amherst, Mass.
ROSE, DR. P. B., Ann Arbor, Mich.
ROWLAND, H. A., Prof. of Physics, Johns Hopkins University,
Baltimore, Maryland.

SABIN, A. H., Prof. of Chem., Ripon Coll., Ripon, Wis.
SADTLER, SAMUEL P., Ph. D., Prof. of Chem., Univ. of Pa.,
Phila., Pennsylvania.
SAFFORD, PROF. JAMES M., Vanderbilt Univ., Nashville, Tenn.
Chemistry.
SAMPSON, W. T., Commander U. S. Naval Acad., Annapolis, Md.
Chem., Physics. Coll.
SAWYER, GEO. F., Belleville, Jefferson Co., N. Y. Chem., Physics.
SCHLEY, WM. S., Atlanta, Ga. Chem.
SCHRADER, E. R., Prof. Chem. and Physics, Johnson Coll.,
Quincy, Ill.
SCHRENK, JOSEPH, College Point, Queens Co., N. Y. Chem.
SCHWEITZER, P., Columbia, Mo., Prof. of Chem., State Univ.,
Columbia, Mo.
SCHWENSEN, F. M. L., Housatonic, Mass. Chem.
SCOTT, J. G., Westfield, Mass. Chem., Physics.
SEAMAN, WM. H., Dep't of Agric., Washington, D. C. Chem.
SEELEY, CHAS. A., 125 E. 40th St., New York City. Chem.
SEELY, PROF. HENRY M., Middlebury, Vt. Chem.
SEMANS, W. O., Prof. Chem. and Phys., Wesleyan University,
Delaware, Ohio.
SHANNON, W. P., Greensburg, Decatur Co., Ind. Inorg. Chem.

- SHARPLES, S. P., A. B., Prof. of Chem., Boston Dental Coll., 114 State St., Boston, Mass. Chem., Physics.
- SHELDON, D. S., A. M., LL.D., Griswold Coll., Davenport, Iowa. Chem.
- SILLIMAN, B., A. M., M. D., Prof. of Chem., Yale Coll., New Haven, Conn.
- SINGLETON, M. T., Atlanta, Ga. Physics.
- SLOANE, T. O'CONOR, E. M., A. M., Ph. D., Brooklyn, N. Y. Chem.
- SMITH, EDGAR F., Ph. D., University of Penn., Philadelphia, Pa.
- SMITH, EUGENE A., Ph. D., Prof. of Chem., Univ. of Ala., Tuscaloosa, Ala.
- SMITH, GEO. L., State Normal School, Baltimore, Md. Chem., Physics.
- SMITH, HERBERT W., Box 2621, St. Paul, Minn. Chem.
- SMITH, PROF. T. BERRY, Kirksville, Mo. Chem.
- SMYTH, GEO. A., Burlington, Vt. Chem.
- SOUTHWORTH, MASE S., Ph. D., Prof. of Chem., Williams Coll., Williamstown, Mass.
- SPENCER, JOSEPH WM., A. B., Ph. D., F. G. S., Hamilton, Ontario, Can. Chem., Physics.
- SPRINGER, ALFRED, Ph. D., with Alex. Fues & Co., Cincinnati, O.
- STALLO, J. B., Mathematical Physics, Cincinnati, Ohio.
- STALNAKER, J. W., M. D., Austin, Texas. Chem.
- STANLEY, PROF. RICHARD C., Bates Coll., Lewiston, Me. Chem.
- STEINER, LEWIS H., M. D., Frederick City, Md. Chem.
- STERLING, THEO., Prof. Chem., Kenyon College, Gambier, Ohio.
- STILLMAN, JOHN M., Ph. B., Univ. of Cal., Berkeley, Cal. Chem.
- ST. JOHN, JOSEPH S., State Normal School, Albany, N. Y.
- STODDARD, J. T., Ph. D., Northampton, Mass. Chem. and Phys.
- STRONG, REV. G. J., Prof. Nat. Phil. and Chem., College of the Holy Cross, Worcester, Mass.
- STRUTHERS, R. H., Fort Atkinson, Wis. Physics.
- STUART, A. P. S., A. M., Prof. of Chem., Lincoln, Nebraska.
- STUART, E. B., 125 22nd St., Chicago, Ill. Chem.
- SWEET, E. T., Silverton, Colo. Chem.
-
- TAYLOR, PROF. A. R., Lincoln, Ill. Chem., Physics.
- TAYLOR, E. R., Chemist, Cleveland, Ohio.
- TERRY, PROF. NATHANIEL M., Ph. D., U. S. N. Acad., Annapolis, Md. Physics.
- THOMAS, FLAVEL S., F. M. M. S., Major Farm, Hanson, Mass., Also Nat. Hist. Museum, Boston, Mass. Agricult. and Med. Chemist.
- THURSTON, ROBERT H., Prof. Stevens Inst. Technol., Hoboken, N. J. Physics. Coll.
- TIFFANY, ASA S., Davenport, Iowa. Chem.
- TRIMBLE, HENRY, Univ. of Pa., Phila., Pa. Chem.
- TROWBRIDGE, JOHN, Ass't Prof. Physics, Harvard University, Cambridge, Mass.
- TUCKER, PROF. WILLIS G., M. D., Albany, N. Y.

VAN BRUNT, C., Poughkeepsie, N. Y. Physics.
VAN DER WEYDE, P. H., M. D., 236 Duffield St., Brooklyn, N. Y.
Chem., Physics.
VAN DYCK, F. C., Prof. Analyt. Chem., Rutgers Coll., New
Brunswick, N. J. Chem., Physics.
VAN SLYKE, C. B., 1050 Main St., Dubuque, Iowa. Chem., Physics.
VAN WINKLE, A. S., Trenton, Ill. Chem.
VOSE, GEO. B., So. Weymouth, Mass. Physics.

WADSWORTH, M. E., Harvard University, Cambridge, Mass.
WALKER, JOS. B., Louisville, Ky. Chem.
WALLACE, WM. O., Ansonia, Conn.
WALLER, ELWYN, Ph. D., Sch. of Mines, Columbia Coll., N. Y.
City. Chem.
WALLING, HENRY F., Boston, Mass. Physics.
WARDER, PROF. ROBERT B., Ass't Prof. Univ. Cincinnati, North
Bend, Hamilton Co., O. Org. Chem.
WARNECKE, GEO., Hartford, Conn. Analytical Chemistry.
WASHBURN, R. R. M. D., Waldron, Ind. Physics.
WATERMAN, JOHN R., Woonsocket, R. I. Chem.
WAYNE, PROF. EDWARD S., M. D., Cincinnati, O. Chem.
WEAD, CHAS. K., Prof. Phys., Univ. of Mich., Ann Arbor, Mich.
WEBSTER, PROF. NATHAN B., Norfolk, Va. Chem., Physics.
WEITBRECHT, GEO., St. Paul, Minn.
WELLS, JAMES S. C., Ph. D., Hackensack, N. J. Chem.
WHEATLEY, WM., N. Y. City.
WHEELER, C. GILBERT, Chicago, Ill. Chem.
WHITE, PROF. H. E., Athens, Ga. Chem. Coll. Ex.
WHITE, DR. J. C., 10 Park Square, Boston, Mass. Org. Chem.
WHITING, MISS, Prof. Physics, Wellesley Coll., Wellesley, Mass.
WHITNEY, PROF. J. D., Cambridge, Mass. Physics.
WILBER, G. M., 140 W. 20th St., N. Y. City. Chem.
WILDBERGER, MAJ. R. H., Prof. of Nat. Sci., Military Inst.,
Farmdale, Ky. Chem.
WILLETT, PROF. JOSEPH E., Mercer Univ., Macon, Ga. Chem.
Physics.
WILLIAMS, C. P., Ph. D., Prof. Chem., Columbia, Mo.
WILLSON, R. W., Instructor in Physics, Harvard Univ., Cambridge,
Massachusetts.
WOOD, PROF. EDWARD S., Harv. Univ., 14 Chauncy St., Cam-
bridge, Mass. Chem.
WORMLEY, DR. T. G., Prof. Chem., Medical Dept., Univ. of Pa.,
Philadelphia, Pa.
WORTHEM, REV. H. W., Chelsea, Vt. Chem.
WRIGHT, ARTHUR W., Ph. D., Prof. of Molecular Physics and
Chem., Yale Coll., New Haven, Conn.
WRIGHT, B. F., St. Paul, Minn.
WYLIE, PROF. T. A., Bloomington, Ind. Physics. Coll.

YOUNG, DR. C. A., Prof. Astronomy, Coll. of N. J., Princeton,
New Jersey.

LIST OF SCIENTIFIC SOCIETIES, CLUBS, ETC., IN THE United States and Canada.

CALIFORNIA.

AGASSIZ INSTITUTE, SACRAMENTO.

[Incorporated, Nov. 12, 1872.]

T. M. Logan, *President.*
J. H. C. Bonté, *Corresponding Secretary.*
Membership, 145.

CALIFORNIA ACADEMY OF SCIENCES, SAN FRANCISCO.

George Davidson, *President.*
R. E. C. Stearns, *Corresponding Secretary.*
Publishes "Transactions" and "Memoirs."

SAN DIEGO LYCEUM OF NATURAL SCIENCES.

[Organized, June, 1873.]

Robert J. Gregg, M. D., *President.*
George N. Hitchcock, *Corresponding Secretary.*

SAN DIEGO SOCIETY OF NATURAL HISTORY.

[Organized, Nov. 2, 1874.]

Geo. W. Barnes, M. D., *President.*
Phillip Morse, *Corresponding Secretary.*
Library and Collection. Membership, 69.

SANTA BARBARA SOCIETY OF NATURAL HISTORY.

[Organized, Nov. 25, 1876.]

S. B. P. Knox, *President.*
Mrs. H. G. Otis, *Corresponding Secretary.*
Museum and Library.

CALIFORNIA STATE GEOLOGICAL SOCIETY, SAN FRANCISCO.

[Incorporated, Dec. 30, 1876.]

Henry G. Hanks, *President.*
S. Heydenfeldt, jr., *Secretary.*

Annual Meeting, first Monday in December. Membership, 10.

SAN FRANCISCO MICROSCOPICAL SOCIETY.

[Thurlow Block, 136 Kearny St.]

Henry C. Hyde, *President.*
Charles W. Banks, *Corresponding Secretary.*

Cabinet and Library.

CONNECTICUT.

CONNECTICUT ACADEMY OF ARTS AND SCIENCES, NEW HAVEN.

[Incorporated, 1799.]

Elias Loomis, *President.*
Oscar Harger, *Secretary.*

Library. Membership, 128. Publishes "Transactions."

WATERBURY SCIENTIFIC SOCIETY.

[Organized, October 19, 1868. Incorporated, July 8, 1869.]

M. S. Crosby, *President.*
Le Roy Upson, *Secretary.*

Membership, 45.

MIDDLETOWN SCIENTIFIC ASSOCIATION.

[Organized, March 17, 1871.]

Rev. F. Gardiner, D. D., *President.*
W. N. Rice, *Corresponding Secretary.*

Membership, 65.

BRIDGEPORT SCIENTIFIC SOCIETY.

H. N. Powers, *President.*
George C. Waldo, *Secretary.*

Library.

THE NATURALISTS' DIRECTORY.

DISTRICT OF COLUMBIA.

SMITHSONIAN INSTITUTION.

[Organized, 1846.]

Spencer F. Baird, *Secretary.*
 William J. Rhees, *Chief Clerk.*

Museum, Library and Gallery of Art. The Publications comprise "Contributions to Knowledge," "Miscellaneous Collections," and "Annual Reports."

PHILOSOPHICAL SOCIETY OF WASHINGTON.

_____ *President.*
 J. H. C. Coffin, *Secretary.*
 T. N. Gill, *Secretary.*

Membership, 127.

NATIONAL ACADEMY OF SCIENCE, WASHINGTON.

[Organized, April, 1863.]

POTOMAC SIDE NATURALISTS' CLUB, WASHINGTON.

Publishes "Field and Forest," Charles R. Dodge, Editor.

DELAWARE.

WILMINGTON INSTITUTE.

[Incorporated, January, 1869.]

ILLINOIS.

CHICAGO ACADEMY OF SCIENCES.

[Organized, 1857. Incorporated, 1859.]

H. H. Babcock, *President.*
 S. H. Peabody, *Secretary.*

Museum, Library and Collection. Membership, 240.

STATE MICROSCOPICAL SOCIETY OF ILL., 263 WABASH AVE., CHICAGO.

[Chartered, 1869.]

Henry W. Fuller, *President.*
 O. C. Oliver, M. D., *Corresponding Secretary.*

Library and Cabinet.

OTTAWA ACADEMY NATURAL SCIENCES.

[Reorganized, Dec., 1873.]

D. H. Hilt, *President.*
 D. S. Ebersol, *Secretary.*

Collection. Membership, 50.

SANDWICH NATURALISTS' ASSOCIATION.

[Organized, Aug. 14, 1874.]

N. E. Ballou, *President.*
 A. E. Bourne, *Secretary.*

Annual Meeting, first Monday in January. Library and Collec-
 tion. Membership, 4.

ACADEMY OF SCIENCES OF SOUTHERN ILLINOIS, CARBONDALE.

[Organized, Dec. 2, 1876.]

Membership, 100.

ROCKFORD SCIENTIFIC SOCIETY.

[Organized, June 13, 1877.]

F. G. Vincent, *President.*
 F. H. Kimball, *Secretary.*

Membership, 40.

HENRY CO. (ILL.) NATURAL HISTORY SOCIETY.

[Organized, Aug. 30, 1877.]

BRANCHES AT GALVA AND GENESEO.

B. F. Barge, *President.*
 T. M. Shallenberger, *Corresponding Secretary.*

Membership, 27.

VERMILION CO. (ILL.) HISTORICAL SOCIETY.

[Incorporated, Oct. 23, 1877.]

Jasper C. Winslow, *Curator.*
 Membership, 45.

ILLINOIS MUSEUM, NORMAL.

S. A. Forbes, *Director.*

STATE NATURAL HISTORY SOCIETY, CHICAGO.

SCIENTIFIC ASSOCIATION OF PEORIA.

W. H. Chapman, M. D., *President.*
 Miss Emma A. Smith, *Secretary.*

Annual Meeting, first Saturday of May.

INDIANA.

WESTERN INDIANA HISTORICAL AND SCIENTIFIC ASSOC., NEWPORT.

[Organized, Aug. 30, 1875.]

Prof. John Collett, *President.*
 H. H. Conley, *Corresponding Secretary.*

Museum. Membership, 20. Collection and Library.

SCIENTIFIC ASSOCIATION, RICHMOND.

[Organized, 1875.]

Jas. F. Hibberd, *President.*
 L. B. Case, *Corresponding Secretary.*

INDIANAPOLIS LYCEUM OF NATURAL HISTORY.

[Organized, Oct., 1876. Incorporated, Nov. 25, 1876.]

Edward T. Cox, *President.*
 W. Webster Butterfield, *Corresponding Secretary.*

AGASSIZ CLUB, LAFAYETTE.

[Organized, May 16, 1877.]

Prof. John Hussey, *President.*
 C. C. McNutt, *Secretary.*

Membership, 16.

JEFFERSONVILLE NAT. HIST. ASSOCIATION.

[Organized, Dec., 1877.]

Wm. H. Fogg, *President.*
 O. Hobbs, *Secretary.*

Annual Meeting in April. "Transactions" issued by this Association.

RICHMOND GEOLOGICAL SOCIETY.

[Organized, Feb. 2, 1878.]

A. C. Lindemuth, *President.*
 Lida Hadley, *Secretary.*

Membership, 25.

OWEN SCIENTIFIC ASSOCIATION, INDIANA STATE UNIV., BLOOMINGTON.

Benj. Vall, jr., *President.*
 W. W. Spangler, *Secretary.*

Membership, 13.

IOWA.

DAVENPORT ACADEMY OF SCIENCES.

[Organized, Dec. 14, 1867.]

W. H. Barris, D. D., *President.*
 Mrs. M. A. McGonegal, *Corresponding Secretary.*

Annual Meeting, first Wednesday in January. Library and
 Museum.

DUBUQUE INSTITUTE OF SCIENCE AND ARTS.

[Organized, 1869.]

Asa Hall, *President.*
 C. Childs, *Corresponding Secretary.*

IOWA ACADEMY OF SCIENCES, IOWA CITY.

[Organized, 1875.]

C. E. Bessey, Ames, *President.*
 Samuel Calvin, Iowa City, *Corresponding Secretary.*

Number of Fellows limited to thirty.

IOWA NAT. HIST. UNION, DES MOINES.

[Organized, 1877.]

Wm. Jno. Gill, D. D., A. M., *President.*
 S. S. Boubright, *Secretary.*

KANSAS.

LEAVENWORTH ACADEMY OF SCIENCE AND ART.

H. M. Allen, *President.*
 R. J. Brown, *Corresponding Secretary.*

NAT. HIST. SOCIETY, KANSAS STATE UNIVERSITY, LAWRENCE.

THE NATURALISTS' DIRECTORY.

KENTUCKY.

POLYTECHNIC SOCIETY, LOUISVILLE.

[Instituted, Dec., 1876.]

T. S. Bell, *President.*
 Thos. E. Jenkins, *Secretary.*

LOUISVILLE ACADEMY OF SCIENCE.

Prof. J. L. Smith, *President.*
 Prof. A. D. Hart, *Corresponding Secretary.*

LOUISIANA.

NEW ORLEANS ACADEMY OF SCIENCES.

MAINE.

PORTLAND SOCIETY OF NATURAL HISTORY.

[Incorporated, 1850.]

Wm. Wood, *President.*
 John M. Gould, *Corresponding Secretary.*
 Cabinet.

MARYLAND.

MARYLAND ACADEMY OF SCIENCES, BALTIMORE.

[Organized, 1822.]

MASSACHUSETTS.

AMERICAN ACADEMY OF ARTS AND SCIENCES, BOSTON.

[Organized, 1780.]

Chas. F. Adams, *President.*
 Prof. J. Trowbridge, *Secretary.*

Publishes "Proceedings" and "Transactions."

MASSACHUSETTS HORTICULTURAL SOCIETY, BOSTON.

[Organized, 1829.]

William Gray, jr., *President.*Robert Manning, *Recording Secretary.*Edwin W. Buswell, *Librarian and Treasurer.*

The Library contains 4500 books on Botany and Horticulture,
and is considered one of the best extant.

BOSTON SOCIETY NATURAL HISTORY.

[Incorporated, 1831.]

Thomas T. Bouvé, *President.*Edward Burgess, *Secretary.*

Annual Meeting, first Wednesday of May. Library and Collec-
tion. Publishes "Proceedings." Membership, 500.

LYCEUM NAT. HIST., WILLIAMS COLLEGE, WILLIAMSTOWN.

[Founded, 1835.]

J. R. Adriaance, *President.*A. H. Burnell, *Corresponding Secretary.*

Collection.

ESSEX INSTITUTE, SALEM.

[Incorporated, 1848.]

Henry Wheatland, M. D., *President.*George M. Whipple, *Secretary.*William P. Upham, *Librarian.*Henry M. Brooks, *Treasurer.*

Library contains 28,000 volumes. Publishes "Historical Collec-
tions" and "Bulletin." Objects, diffusion of knowledge in
History, Natural History, Horticulture and Arts.

WORCESTER LYCEUM AND NATURAL HISTORY ASSOCIATION.

[Organized, December, 1852. Incorporated, April 16, 1853.]

T. E. St. John, *President.*Herbert D. Braman, *Corresponding Secretary.*

Cabinet.

PEABODY MUS. OF AM. ARCHEOLOGY AND ETHNOLOGY, CAMBRIDGE.

[Founded, 1866.]

F. W. Putnam, *Curator.*

MUSEUM OF COMPARATIVE ZOOLOGY, CAMBRIDGE.

Alex. Agassiz, *Director.*

Publishes "Bulletin" and Illustrated Catalogue.

PEABODY ACADEMY OF SCIENCE, SALEM.

[Founded 1867, by George Peabody, of London.]

Hon. Wm. C. Endicott, *President.*

John Robinson, *Treasurer.*

A. S. Packard, jr., M. D., *Director.*

The Museum ranks among the most valuable in the country.

Summer School of Biology conducted each season

commencing about July 5. Publishes

Memoirs and Annual Reports.

NUTTALL ORNITHOLOGICAL CLUB, CAMBRIDGE.

[Organized, 1873.]

Wm. Brewster, *President.*

H. A. Purdie, *Secretary.*

The "Bulletin," established April, 1876, is published quarterly.

NATURAL HISTORY SOCIETY, SOUTH NATICK.

[Incorporated, 1873.]

Rev. Horatio Alger, *President.*

Rev. J. P. Sheaf, *Corresponding Secretary.*

Library and Collection.

AMESBURY AND SALISBURY NATURAL HISTORY SOCIETY.

[Organized, 1873.]

H. S. Leslie, *President.*

Chas. Nayson, *Corresponding Secretary.*

CAMBRIDGE ENTOMOLOGICAL CLUB.

[Established, January 9, 1874. Incorporated, March 9, 1877.]

Edward P. Austin, *President.*

B. Pickman Mann, *Secretary.*

Membership, 56. "Psyche," published by this Society, is issued Monthly.

HANSON NATURAL HISTORY SOCIETY.

[Organized, 1874.]

Flavel S. Thomas, *Secretary.*

APPALACHIAN MOUNTAIN CLUB.

[Organized, 1875. Incorporated, April 1, 1878.]

Charles E. Fay, *President.*
 J. B. Henck, jr., *Secretary.*

The Secretary may be addressed at the Massachusetts Institute
 of Technology, Boston, Mass.

CAPE ANN SCIENTIFIC AND LITERARY ASSOC., GLOUCESTER.

[Organized, 1875.]

NATURAL HISTORY SOCIETY, LYNN.

[Incorporated, April 29, 1876.]

W. S. B. Herbert, *President.*
 Frank B. Rowell, *Secretary.*

Annual Meeting, first Thursday in January. Membership, 60.
 Museum and Library.

BOSTON AMATEUR SCIENTIFIC SOCIETY.

[Organized, May, 1876. 96 Tremont St.]

S. C. Chandler, jr., *President.*
 J. E. Stone, *Secretary.*

"Science Observer," published Monthly by this Society. Mem-
 bership, 35.

LEXINGTON FIELD AND GARDEN CLUB.

[Organized, 1876.]

M. H. Merriam, *President.*
 Miss Kate Whitman, *Secretary.*

Membership, 50.

SPRINGFIELD BOTANICAL SOCIETY.

[Organized, April 20, 1877.]

Edward W. Seeger, *President.*
 Miss Sarah P. Birnle, *Secretary.*

Collection. Membership, 50.

CAMBRIDGE AMATEUR SOCIETY OF NATURAL HISTORY.

[Organized, November, 1877.]

J. A. Osborn, *President.*
 Wm. B. Greeley, *Secretary.*

Cabinet.

THE NATURALISTS' DIRECTORY.

MIDDLESEX SCIENTIFIC FIELD CLUB, MALDEN.

[Organized, 1878.]

Henry L. Moody, *President.*
 Francis W. Morandi, *Secretary.*

MERRIMAC NATURAL HISTORY SOCIETY.

B. F. Sargent, *President.*

Membership, 7.

MICHIGAN.

DETROIT SCIENTIFIC ASSOCIATION.

[Incorporated, March 21, 1865.]

J. C. Holmes, *President.*
 A. B. Lyons, M. D., *Secretary.*

Museum.

ANN ARBOR SCIENTIFIC ASSOCIATION.

John W. Langley, *President.*
 Louisa M. Reed, *Secretary.*

Membership, 53.

MINNESOTA.

MINNESOTA ACADEMY OF NATURAL SCIENCES, MINNEAPOLIS.

[Organized, Jan. 1, 1873.]

A. E. Johnson, M. D., *President.*
 P. L. Hatch, M. D., *Corresponding Secretary.*

Museum. Membership, 43.

ST. PAUL ACADEMY OF NATURAL SCIENCES.

Robert Ormsby Sweeney, *President.*
 J. Fletcher Williams, *Corresponding Secretary.*

Library and Museum.

MISSOURI.

GLASGOW SCIENTIFIC SOCIETY.

[Organized, Feb. 27, 1877.]

S. H. Trowbridge, *President.*
 J. C. Hall, *Secretary.*

Membership, 25.

ACADEMY OF SCIENCES, ST. LOUIS.

Publishes "Transactions."

NEW HAMPSHIRE.

EXETER NATURAL HISTORY SOCIETY.

[Organized, Dec. 7, 1874. Incorporated, June, 1876.]

Benj. F. McDaniel, *President.*
 Albion Burbank, *Secretary.*

Museum and Library.

KEENE SCIENTIFIC ASSOCIATION.

[Organized, 1876.]

Ira J. Prouty, *President.*
 Bertram Ellis, *Secretary.*

DARTMOUTH MICROSCOPICAL CLUB, HANOVER.

Prof. E. Phelps, *President.*
 Hiram A. Cutting, *Secretary.*

KEENE NATURAL HISTORY SOCIETY.

G. A. Wheelock, *President.*
 D. W. Gilbert, *Secretary.*

NEW JERSEY.

ATCO NATURAL HISTORY SOCIETY.

[Incorporated, 1888.]

Rev. M. Ballou, *President.*
 N. Varnum, *Secretary.*

Library and Museum.

THE NATURALISTS' DIRECTORY.

NEW JERSEY MICROSCOPICAL SOCIETY, NEW BRUNSWICK.

[Instituted, April 17, 1871.]

F. C. Van Dyck, *President.*Rev. Samuel Lockwood, *Secretary.*

Membership, 48.

HISTORICAL SOCIETY, MT. HOLLY.

John Chambers, *President.*Rev. E. Braislín, *Corresponding Secretary.*

Library.

NEW YORK.

ALBANY INSTITUTE.

[Incorporated, March 12, 1793.]

James Hall, LL. D., *President.*Leonard Kip, *Corresponding Secretary.*

Library and Collection.

NEW YORK ACADEMY OF SCIENCES (LATE LYCEUM OF NATURAL HISTORY),
NEW YORK CITY.

[Incorporated, April 20, 1818.]

John S. Newberry, *President.*A. R. Leeds, *Corresponding Secretary.*

Annual Meeting, fourth Monday in February. The publications
of the Academy consist of the "Annals" and the
"Proceedings." Museum and Library.

BUFFALO SOCIETY OF NATURAL SCIENCES.

[Organized, December 5, 1861.]

George W. Clinton, LL. D., *President.*Leon F. Harvey, M. D., *Corresponding Secretary.*

Museum and Library.

NATIONAL INSTITUTE OF LETTERS, ARTS AND SCIENCES.

[Founded, 1808.]

TROY SCIENTIFIC ASSOCIATION.

[Organized, 1870. Incorporated, 1874.]

R. H. Ward, *President.*F. H. Stevens, *Corresponding Secretary.*

TORREY BOTANICAL CLUB, NEW YORK CITY.

[Organized, January, 1873.]

George Thurber, *President.*
 P. V. Le Roy, *Corresponding Secretary.*

Membership, 43.

JAMESTOWN MICROSCOPICAL SOCIETY.

[Organized, 1873.]

A. Waterhouse, M. D., *President.*
 Charles G. Fuller, *Secretary.*

BROCKPORT NATURAL HISTORY CLUB.

[Organized, November, 1875.]

Cabinet and Library.

LONG ISLAND ENTOMOLOGICAL SOCIETY, BROOKLYN.

[Organized, March 14, 1877.]

Rev. George D. Hulst, *President.*
 W. V. Andrews, *Corresponding Secretary.*

Library. Membership, 25.

JEWETT SCIENTIFIC SOCIETY, LOCKPORT.

[Organized, August 21, 1877. Incorporated, March 1, 1878.]

Dr. A. Walter Tryon, *President.*
 Dr. S. T. Clark, *Corresponding Secretary.*

Library and Collection. Membership, 110.

NATURE CLUB, ALBANY.

[Organized, October, 1877.]

Dr. Geo. T. Stevens, *President.*
 Richard Prescott, *Secretary.*

AMERICAN CHEMICAL SOCIETY, NEW YORK CITY.

[Incorporated, November 10, 1877.]

J. Lawrence Smith, *President.*
 George F. Barker, *Corresponding Secretary.*

Library. Membership, 289.

THE NATURALISTS' DIRECTORY.

NEW YORK MICROSCOPICAL SOCIETY, NEW YORK CITY.

[Organized, November 14, 1877.]

J. D. Hyatt, *President.*A. J. Swan, *Corresponding Secretary.*

Annual Meeting, third Friday of January. Library. Membership, 9.

LINNEAN SOCIETY, NEW YORK CITY.

[Organized, January, 1878.]

C. H. Merriam, *President.*Ernest Ingersoll, *Secretary.*

Annual Meeting, first Saturday in March. Library.

BUFFALO MICROSCOPICAL CLUB.

H. R. Hopkins, *President.*J. W. Ward, *Secretary.*

CHEMICAL AND PHYSICAL SOCIETY, CORNELL UNIVERSITY, ITHACA.

W. H. Jordan, *President.*Josephine Chevallier, *Secretary.*

Membership, 13.

DANA NATURAL HISTORY SOCIETY, ALBANY.

Miss Rebecca Hindman, . . . *Corresponding Secretary.*

DUNKIRK MICROSCOPICAL SOCIETY.

George E. Blackham, *President.*A. P. Alling, *Secretary.*

THE LYONS SCIENTIFIC ASSOCIATION.

NATURAL HISTORY SOCIETY, CORNELL UNIVERSITY, ITHACA.

F. B. Hine, *President.*F. E. Smith, *Secretary.*

Membership, 17.

POUGHKEEPSIE SOCIETY OF NATURAL SCIENCES.

C. Van Brunt, *President.*W. R. Gerard, *Secretary.*

Museum and Library.

CENTRAL PARK MENAGERIE, NEW YORK CITY.

Wm. A. Conklin, *Director.*

OHIO.

ACADEMY OF NATURAL SCIENCES.

[Organized, 1845.]

KIRTLAND SOCIETY OF NATURAL SCIENCES, CASE BLOCK, CLEVELAND.

[Organized, March 17, 1869.]

S. G. Williams, *Corresponding Secretary.*
Library and Museum. Membership, 150.

TOLEDO SOCIETY NATURAL SCIENCES.

[Organized, May 17, 1870.]

E. W. Koch, *President.*
E. H. Fitch, *Secretary.*
Annual Meeting, first Tuesday in April. Membership, 300.

TOLEDO HISTORICAL AND GEOGRAPHICAL SOCIETY.

[Organized, June 13, 1871.]

E. H. Fitch, *President.*
Annual Meeting, first Tuesday in June. Membership, 125.

CENTRAL OHIO SCIENTIFIC ASSOCIATION, URBANA.

[Established, Oct., 1874.]

George A. Weaver, *President.*
T. F. Moses, *Corresponding Secretary.*

CUVIER CLUB, 4TH ST., CINCINNATI.

[Organized, Jan. 1, 1875.]

L. A. Harris, *President.*
Thomas A. Logan, *Corresponding Secretary.*
Membership, 477.

AGASSIZ SCIENTIFIC ASSOCIATION, DELAWARE, OHIO.

[Organized, April 4, 1876.]

Prof. E. T. Nelson, *President.*
R. E. Hills, *Secretary.*
Membership, 85.

THE NATURALISTS' DIRECTORY.

FINDLAY SCIENTIFIC ASSOCIATION.

[Organized, April, 1877.]

F. B. Zay, *President.*
 Miss C. E. Barnd, *Secretary.*

Membership, 25.

CENTRAL OHIO SCIENCE ASSOCIATION, WASHINGTON, FAYETTE CO.

[Organized, Dec. 8, 1877.]

J. P. Patterson, *President.*
 George W. Welsh, *Corresponding Secretary.*

AKRON SCIENTIFIC CLUB, HOWARD ST.

Thomas Rhodes, *President.*
 J. M. McCreery, *Secretary.*

Museum. Membership, 18.

CINCINNATI SOCIETY NATURAL HISTORY, 108 BROADWAY, COR. ARCH ST.

Publishes the "Journal," to be issued quarterly.

COLUMBUS SOCIETY NATURAL HISTORY.

J. M. Wheaton, *President.*
 I. F. Stidham, *Secretary.*

CONCHOLOGICAL CLUB, CINCINNATI.

Henry Laws, *President.*
 William Doherty, *Secretary.*

TYNDALL ASSOCIATION NATURAL SCIENCES, COLUMBUS.

Albert H. Tuttle, *President.*
 A. G. Farr, *Secretary.*

P E N N S Y L V A N I A.

AMERICAN PHILOSOPHICAL SOCIETY, PHILADELPHIA.

[Founded, 1769.]

Geo. B. Wood, *President.*
 Dr. J. L. LeConte, *Secretary.*

Publishes "Proceedings" and "Transactions."

ACADEMY OF NATURAL SCIENCES, PHILADELPHIA.

[Founded, March 12, 1812.]

W. S. W. Ruschenberger, M. D., *President.*
 G. H. Horn, M. D., *Corresponding Secretary.*

Publishes "Proceedings" and "Journal."

ZOOLOGICAL SOCIETY OF PHILADELPHIA.

[Incorporated, 1859.]

Wm. Camac, *President.*
 John L. LeConte, *Corresponding Secretary.*

LINNEAN SOCIETY, LANCASTER.

[Organized, February 15, 1862. Chartered, August 30, 1865.]

J. Stahr, *President.*
 John B. Eshelman, *Corresponding Secretary.*

Membership, 123.

AMERICAN ENTOMOLOGICAL SOCIETY, PHILADELPHIA.

[Incorporated, 1862.]

E. T. Cresson, *Corresponding Secretary.*
 Publishes "Transactions."

READING SOCIETY OF NATURAL SCIENCES.

[Instituted, January 1, 1869. Incorporated, November 8, 1869.]

M. A. Rhoads, M. D., *President.*
 Henry Landis, *Secretary.*

Library and Collection. Membership, 80.

NATURAL HISTORY CLUB, PHILADELPHIA.

[Organized, 1870.]

FAIRMOUNT MICROSCOPICAL SOCIETY, PHILADELPHIA.

S. Henderson Griffith, *President.*
 Wm. C. Stevenson, jr., *Secretary.*

LYCEUM OF NATURAL HISTORY, MARIETTA.

J. J. Libhart, *President.*
 I. S. Gelst, *Secretary.*

Museum and Library.

SCIENTIFIC CLUB, ALLEGHENY COLLEGE, MEADVILLE.

THE NATURALISTS' DIRECTORY.

RHODE ISLAND.

PROVIDENCE FRANKLIN SOCIETY, 24 NO. MAIN STREET.

[Chartered, 1823.]

W. O. Brown, *President.*W. T. Cooke, *Secretary.*

Annual Meeting, first Tuesday in January. Membership, 350.

RHODE ISLAND HORTICULTURAL SOCIETY, PROVIDENCE.

[Instituted, Sept. 6, 1845. Incorporated, Jan., 1854.]

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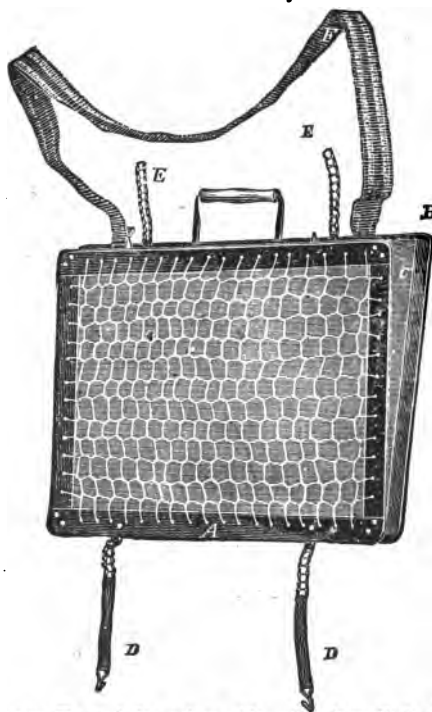
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